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Integrated Services Digital
Network Conformance Testing

Layer 2—Data Link Layer (LAPD)

Part 1—Basic Rate Interface, User Side



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Integrated Services Digital Network Conformance Testing Layer 2—Data Link Layer (LAPD) Part 1—Basic Rate Interface, User Side

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ISDN Conformance Testing

Layer 2 -- Data Link Layer (LAPD)

Part 1: Basic Rate Interface, User Side

ABSTRACT

This document defines the abstract test specifications to verify conformance of equipment to the Layer 2, Data Link Layer, Link Access Procedure on the D Channel (LAPD) of an Integrated Services Digital Network (ISDN) at the user-side of the user-network interface, for the Basic Rate Interface (BRI) access arrangements, as defined in the International Telegraph and Telephone Consultative Committee (CCITT) Recommendation Q.921 and American National Standard ANS T1.602. The test scripts are written in the internationally standardized Tree and Tabular Combined Notation, TTCN. These tests were developed, internationally harmonized, and approved by members of the North American ISDN Users' Forum (NIU/91-0012).

KEYWORDS

Abstract Test Suite, Basic Rate Interface, BRI, Conformance Testing, Implementation Under Test, IUT, ISDN, LAPD, Protocol Data Unit, PDU, Protocol Implementation Conformance Statement, PICS, Protocol Extra Information for Testing, PIXIT, Tree and Tabular Combined Notation, TTCN

PREFACE

This document is one of a group of NIST Special Publications that will be issued on Integrated Services Digital Network (ISDN) Conformance Testing. Each publication in this group will focus on a different set of conformance test specifications. The following is a list of the publications in this group:

- Integrated Services Digital Network (ISDN) Conformance Testing —
Introduction - This document discusses the basic concepts of conformance testing and the development of abstract test specifications for conformance testing of ISDN protocols.
- Integrated Services Digital Network (ISDN) Conformance Testing —
Layer 1 — Physical Layer
 - Part 1 Basic Rate S/T Interface, User Side describes a set of test specifications which verify conformance of TEs and NTs to the ISDN Physical Layer Basic Access at the S/T reference point, as defined in ANS T1.605-1989, and NIUF 90-105.
 - Part 2 Basic Rate U Interface, User Side describes a set of test specifications which verify equipment implementation conformance to the ISDN Physical Layer Basic Access at the U interface, as defined in ANS T1.601-1988 and NIUF 90-101.
 - Part 3 Primary Rate Interface, User Side describes a set of test specifications which verify equipment implementation conformance to the ISDN Physical Layer Primary Access at the S, T, and U interface, as defined in ANS T1.408-1990 and the corresponding NIUF Implementation Agreement.
- Integrated Services Digital Network (ISDN) Conformance Testing —
Layer 2 — Data Link Layer, Link Access Procedure on the D Channel (LAPD)
 - Part 1 Basic Rate Interface, User Side defines the abstract test specifications to verify equipment implementation conformance to the Layer 2 of an ISDN at the user-network interface, for the BRI access arrangements, as defined in ANS T1.602-1989 and NIUF 90-210.
 - Part 2 Primary Rate Interface, User Side will define the abstract test specifications to verify equipment implementation conformance to the Layer 2 of an ISDN at the user-network interface, for the PRI access arrangements, as defined in ANS T1.602-1989 and the corresponding NIUF Implementation Agreement.
- Integrated Services Digital Network (ISDN) Conformance Testing —
Layer 3 — Network Access Layer
 - Part 1 Basic Rate Interface Circuit Switch Call Control, User Side defines the abstract test specifications to verify equipment implementation conformance to the Layer 3 of an ISDN BRI at the user-network interface for the Basic Call Control Procedures, as defined by ANS T1.607-1990, NIUF 90-301.
 - Part 2 Primary Rate Interface Circuit Switch Call Control, User Side defines the abstract test specifications to verify equipment implementation conformance to the Layer 3 of an ISDN PRI at the user-network interface for the Basic Call Control Procedures, as defined by ANS T1.607-1990, NIUF 90-302.

- Part 3 Packet Switched Call Control will define the abstract test specifications to verify equipment implementation conformance to the Layer 3 of an ISDN at the user-network interface for the Packet Switched Call Control Procedures, as defined by ANS T1.608-1990, NIUF 90-320, and other corresponding NIUF Implementation Agreements.

- Integrated Services Digital Network (ISDN) Conformance Testing —
 Supplementary Services - This document will define the abstract test specifications to verify implementation conformance to the Supplementary Services at the user-network interface, as defined in ANS T1.610-1990, NIUF 90-311, and other appropriate ANS documents and their corresponding NIUF Implementation Agreements.

- Integrated Services Digital Network (ISDN) Conformance Testing —
 Packet Mode Bearer Services Control Procedures - This publication will define the abstract test specifications to verify implementation conformance to the Packet Mode Bearer Services Control Procedures.

- Integrated Services Digital Network (ISDN) Conformance Testing —
 Terminal Adaption - This document will define the abstract test specifications to verify equipment implementation conformance to the ISDN Circuit-Mode Data Terminal Adaption using Statistical Multiplexing, as defined by ANS T1.612-1990 and the corresponding NIUF Implementation Agreement.

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THIS DOCUMENT CONTAINS NIUF CONFORMANCE TESTS AS AGREED AMONG PARTICIPATING EXPERT TECHNICAL PERSONNEL ACCORDING TO THE TEXTS OF ISDN STANDARDS, CONFIGURATIONS AND DESCRIPTIONS THAT ARE INTENDED TO PROMOTE INTEROPERABILITY AND EFFICIENCY. THESE CONFORMANCE TESTS WERE DEVELOPED AND APPROVED BY ORGANIZATIONS PARTICIPATING IN THE NORTH AMERICAN ISDN USERS' FORUM (NIUF) MEETINGS. NEITHER THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST) NOR ANY OF THE PARTICIPANTS IN THE NIUF MAKE ANY REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO THE SUFFICIENCY, ACCURACY, OR USE OF ANY INFORMATION OR OPINION CONTAINED HEREIN. THE USE OF THIS INFORMATION OR OPINION IS AT THE RISK OF THE USER. UNDER NO CIRCUMSTANCES SHALL NIST, OR ANY PARTICIPANT IN THE NIUF BE LIABLE FOR ANY DAMAGE OR INJURY INCURRED BY ANY PERSON ARISING OUT OF THE SUFFICIENCY, ACCURACY, OR USE OF ANY INFORMATION OR OPINION CONTAINED HEREIN.

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1 GENERAL

This document defines the abstract test specifications to verify equipment implementation conformance to the Layer 2, Data Link Layer, Link Access Procedure on the D Channel (LAPD) of an ISDN at the user-side of the user-network interface, for the BRI access arrangements, as defined in the International Telegraph and Telephone Consultative Committee (CCITT) Recommendation Q.921 [1] and ANS T1.602 [2]. The test scripts are written in the internationally standardized Tree and Tabular Combined Notation, TTCN. This test suite aligns with the principles defined in OSI Conformance Testing Methodology and Framework, Recommendations X.290 to X.294, inclusive [3].

Section 1 describes the scope and field of application, describes the relationship of this test suite to the CCITT test suite, and contains definitions. Section 2 contains general aspects of testing and the Protocol Implementation Extra Information for Testing (PIXIT) proforma. Section 3 contains abbreviations used in this test suite. Section 4 contains the Abstract Test Suite, including test suite overview, declarations, constraints, and the dynamic part containing the test scripts.

1.1 Scope and Field of Application

The LAPD abstract test suite for conformance testing is based on Recommendation Q.921 [1]. The Implementation Under Test (IUT) is the user's side implementation of LAPD. The System Under Test (SUT) is functionally a Customer Premises Equipment (CPE), a Terminal Equipment of type 1 (TE1) or a Terminal Adapter (TA).

The test methodology is the "remote single layer embedded testing" as described in Recommendation X.291 [3]. It is possible that the entire test suite is not applicable for all IUTs. A test selection procedure must be performed to determine the test's applicability to a particular IUT. Selection shall be based on the Protocol Implementation Conformance Statement (PICS) and the Protocol Implementation Extra Information for Testing (PIXIT). In doing such a selection, interoperability among ISDN equipment shall be of prime importance. The abstract test cases contained in this document are a comprehensive reflection of the base standards.

This abstract test suite only tests a single TE1 link and assumes that the IUT only supports a single TE1 link. If more than one TE1 link is supported by the IUT, the test implementor must take actions to filter out messages generated by the TE1 links which are not under test.

1.2 Relationship to the CCITT Test Suite

The test suite described herein is intended for use by all members of the North American ISDN Users' Forum (NIUF). This test suite was first developed by members of the NIUF's ISDN Conformance Test (ICOT) expert group for Abstract Conformance Testing for Layers 2 and 3 (ACT23). It was submitted to the International Telegraph and Telephone Consultative Committee (CCITT) by ICOT members in 1989 and was further harmonized by both CCITT and the NIUF. This test suite aligns with the current version of the abstract test suite in CCITT for testing conformance to CCITT Recommendation Q.921 for user-side equipment for basic rate access. The test suite in CCITT was pending final approval as of publication time of this document. It is expected that the proposed CCITT Recommendation Q.921bis Part I will be adopted as the standard for testing user-side equipment on the LAPD Basic Rate access in North America.

In the interim, for North America, this test suite applies, with the exception of most test cases in the SYSTEM group, which cover the European network attachment requirements specified as NET3. These specific test cases are listed in section III.2 in Appendix III for test case selection and are included for

informational purposes only. While these NET3 test cases conform to the CCITT Recommendation Q.921, they are not required for testing in North America.

1.3 Definitions

This test suite uses valid, invalid, and inopportune frames to test the IUT behavior. These terms are defined as follows:

1.3.1 Valid Frames

A valid frame is an expected frame which arrives at the correct state or phase and does not belong to any of the categories listed under invalid frames.

1.3.2 Invalid Frames

An invalid frame, as defined in CCITT Recommendation Q.921 [1], is a frame which

- a) is not properly bounded by two flags; or
- b) has fewer than six octets between flags of frames that contain sequence numbers and fewer than five octets between flags of frames that do not contain sequence numbers; or
- c) does not consist of an integral number of octets prior to zero bit insertion or following zero bit extraction; or
- d) contains a frame check sequence error; or
- e) contains a single octet address field; or
- f) contains a service access point identifier which is not supported by the receiver.

Currently, test cases for some of the above invalid frames are not included in this document. Additional test cases for the following types of frames have been written and included under this grouping.

- a) Supervisory and Unnumbered frames (except XID frame) which are too long;
- b) Undefined command and response frames (error in the control field);
- c) Frames where the information field is not permitted.

1.3.3 Inopportune Frames

An inopportune frame is a syntactically valid frame arriving at a time (IUT's state) when it should be considered irrelevant by the IUT.

2 GENERAL ASPECTS OF TESTING

As per CCITT Recommendations X.290 and X.291 [3], "a complete and independent specification of the actions required to achieve a specific test purpose" is called an abstract test case. The abstract test cases

for LAPD are defined at the level of abstraction of remote single layer embedded testing methodology. The test cases, along with the test body, include a preamble and a postamble, which are defined below, to ensure starting and ending in a stable state and involve one or more consecutive or concurrent connections. However, as per CCITT Recommendation X.291 [3], it can be useful to use other stable states for starting and ending abstract test cases, in order to concatenate test cases in a manner which permits efficient execution.

2.1 Test Groups and Subgroups

ISDN LAPD test cases have been grouped into three major groups:

- 1) Management (MGMT);
- 2) Multiple Frame Operation (MFO);
- 3) System (SYSTEM).

The first group (MGMT) consists of test cases covering the IUT's TEI management procedures in States 1 through 3, and instances in States 4-8 in which an error recovery results in setting the MDL-ERROR primitive by the IUT. The test cases in the Management Group are referenced as LAPD/MGMT/DM_x_Lij, where "x" denotes the IUT's state (1-8), followed by a letter "L", which is set to "V", "N", or "I", denoting valid, invalid (not valid) or inopportune sub-groupings, respectively, as indicated below; and "ij" denoting the test case number.

The second group (MFO) includes test cases for States 4 through 8. The bulk of the test cases falls into this group. The test cases in this group are referenced as LAPD/MFO/sx/DL_x_Lij, where "x" denotes the IUT's State (4-8), in both the state sub-group, "sx", and in the test case reference, DL_x_Lij. The letters "L" and "ij", are defined above.

The MGMT and MFO test groups are further divided into three sub-groups according to the definitions above and are as follows:

- Sub-group 1 involves those test cases where the tester transmits a valid test frame;
- Sub-group 2 involves those test cases where the tester transmits an invalid test frame;
- Sub-group 3 involves those test cases where the tester transmits an inopportune test frame.

The third group (SYSTEM) is designed to test frames defined in § 1.2.2 for correctness of the IUT's system parameters and window rotation. The test cases in this group are referenced as LAPD/SYSTEM/DS_x_Lij, where "x" denotes the IUT's State, and "L", "ij" are defined as above.

2.2 Preamble

The preamble of a test case consists of the steps required to bring the IUT to the appropriate initial state. There may be alternate sequences of test steps which can be performed to initialize the IUT. These test steps in the preamble for LAPD have been chosen carefully, considering the test methodology and the other test coordination procedures that are available. In general, it is preferred that these steps be built on an "idle state" which is stable and "most likely" under many testing situations.

The bulk of the test suite tests the IUT's behavior in multiple frame operations. Choosing the *TEI-unassigned* state (State 1) as the "idle state," upon which a preamble is built, would result in unnecessary and sometimes lengthy TEI assignment procedures. Also, the IUT, depending upon the TEI value it supports, may not present itself in the *TEI-unassigned* state. In view of this, the preferred "idle state" for the entire test suite covering multiple frame operations is the *TEI-assigned* state (State 4). The alternative, whenever State 4 is not feasible, is the *multiple-frame-established* (MFE) state (State 7.0). Therefore, preambles may be different for different IUTs, depending upon the choice of idle state.

The selection of "idle state" is determined by the PIXIT and is applied to the entire test suite, except for States 1.0 and 2.0.

2.3 Test Body

The test body is the sequence of steps within a test case that is essential to achieve the test purpose, followed by the verification of the IUT's ending state. A verdict of Pass (P), Fail (F), or Inconclusive (I) is assigned to the possible outcomes of the test cases.

It is important to test the observable behavior of the IUT, which includes state transitions and protocol data unit (PDU) responses. If one assumes that all states are implemented, it is not possible to obtain unique traces or signatures which would guarantee that the IUT is in the expected state. Also, many of the LAPD states are transitional and may not be implemented.

The constraint references specify the frames which are sent and received by the IUT. The basic naming convention for these references is:

FrameType / P or F bit (0 or 1) / _ / User(U) or Network(N) / Command(C) or Response(R).

For example, DM1_UC denotes a DM frame with a P/F bit = 1, sent by the User, and is a Command frame.

2.4 Postamble

At the end of the execution of a test body, the IUT may not be in an "idle state." A postamble is required to bring the IUT from the ending state to an "idle state."

For multiple frame operations, as mentioned previously, the "idle state" is either State 4 or 7.0. Therefore, postamble procedures may differ for various IUTs depending on the selected "idle state."

2.5 Timer Definitions

The timer types used by the tester are T200, T202, T203, as defined in Recommendation Q.921 [1]. There are additional timers defined that may be used during dynamic conformance testing:

- a) Td: Time delay to be allowed before concluding that there is no frame response from the IUT;
- b) Topr: Time required for a test operator to initiate some test action. This is used in conjunction with an Implicit_send for test coordination;
- c) Tl: Timer used to ensure timely response from the IUT when Layer 3 messages are expected.

Some timers, for example T200, are executed synchronously both in the IUT and in the tester. Any undue transmission or processing delay on either side because of the testing environment may have an adverse

effect on the test cases which have verdicts based on timer expiry. Care should be exercised to compensate for these "delta" delays. The exact value of "delta" is a function of the testing environment and is not specified here.

2.6 Layer 2 Information Frame Content

The IUT is treated as an embedded single layer. This test suite requires the use of Layer 3 initiated Information frames. The entity above the IUT may be call control, X.25 packet layer, or an equivalent mechanism. Therefore, the information content in Layer 2 frames may belong to any of the above protocols. However, in the context of the Layer 2 abstract test suite in this document, the Layer 2 information frame content shall not force a Layer 3 response from the upper entity.

2.7 PICS/PIXIT Relationship to the Abstract Test Suite

There are instances when the execution of a test case depends on the answer to a PICS or PIXIT question. In such instances, a boolean expression is added to the beginning of the test body, which makes the execution of the test case conditional. However, such conditional execution has no bearing on static conformance.

2.8 Test Implementation Strategies

This document, in addition to defining the abstract conformance test suite, presents strategies related to the efficient implementation of the test suite. The strategy called "the grouping method," given in Appendix A, entitled "A Method for Implementing Test Cases," describes a means for efficient implementation and maintenance of the test cases. Appendix B, entitled "A Method for Minimizing Run-Time of Test Cases," describes a method for achieving run-time efficiencies by conditional execution of the preambles and postambles based on the previous test case verdict.

Both strategies are compliant with Recommendation X.290 and X.291 [3]. They are intended to guide the implementors and should not be considered as mandatory. These two strategies do not preclude each other.

2.9 Initialization Procedures

Whenever the execution begins for an entire group of tests or for several test cases for States 4-8, in either the Management (MGMT) or Multiple Frame Operations (MFO) Group, the IUT should go through initialization procedures described in the DL_MFOINIT routine, which use the DL4_INIT and DL7_INIT routines located in the test steps library. These procedures bring the IUT to the "idle state" (state 4 or 7) based upon the PIXIT. If the IUT cannot be forced to send a TEL_ID_REQUEST on demand, as required in the initialization procedures, then a manual initialization procedure must be performed to bring the IUT into the desired "idle state."

The procedure represented by DL_MFOINIT is intended only as an illustrative example of one implementation of the initialization procedure. Due to variations in the behavior of IUTs, it may be necessary for the implementor to either modify the procedure or provide a unique replacement for DL_MFOINIT to permit the IUT to be placed in the appropriate "idle state."

2.10 PIXIT Proforma

Information supplied by the IUT provider in this section will be used to configure the tester to execute the conformance test suite.

**Protocol Implementation Extra Information for Testing
PIXIT Proforma for ISDN D-Channel, Layer 2
Basic Rate Access, User Side**

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Users of this document may freely reproduce the PIXIT proforma in this document, so that it may be used for its intended purpose and may further publish the completed PIXIT.

Identification summary

PIXIT Number:

Means of Testing:

Test Laboratory Name:

Date of Issue:

Issued to:

Abstract test suite summary

Protocol Standard:

ISDN D-channel Layer 2 Basic Access User side

Recommendation:

CCITT Recommendation Q.921

ATS Standard:

Abstract Test Method:

Remote single layer

Test Laboratory

Test Laboratory Identification:

Test Laboratory Manager:

Network Address(es):

Instructions for Completion:

Client

Client Identification:

Client Test Manager:

Test Facilities Required:

IUT

Name:

Version:

Machine Configuration:

Operating System Identification:

Upper Tester Identification (if any):

Upper Tester Validation Date (if appropriate):

IUT Identification:

PICS Reference for IUT:

Limitations of the IUT:

General Information

1. Is TEI assignment automatic? _____
2. TEI number to be used for testing. _____
3. If IUT is non-automatic TEI equipment, enter all TEI values assigned. _____
4. SAPI number to be used for testing. _____
5. Enter SAPI number which is currently unsupported in IUT. _____
6. Window size (k) of the IUT. _____
7. Maximum number of re-transmissions (N200) of the IUT. _____
8. Maximum number of re-transmissions TEI Identity Request (N202) of the IUT. _____

Procedural Information

9. Can the IUT be forced to send TEI Identity Request on demand? _____
10. Can the IUT be forced to send a SABME in state 4 on demand? _____
11. Can the IUT be forced to send a SABME in any state on demand? _____
12. Can the IUT be forced to send a DISC on demand? _____
13. What is the preferred idle state for the IUT for Multiple Frame Operation (States 4.0 through 8.7)? Select state 4 or 7. _____
14. If idle state is 7, can the IUT be forced to stay in state 4 for testing? _____
15. Can the IUT be forced into a busy condition on demand? _____
16. Can the IUT be forced to clear a busy condition on demand? _____
17. Can the IUT be forced to send one I frame on demand? _____
18. Can the IUT be forced to send more than one I frame on demand? _____
19. Does the IUT implement TEI Identity Verify Procedures? _____
20. Does the IUT initiate TEI Identity Verify Procedures upon receipt of an unsolicited UA received in states 4-8? _____
21. Does the IUT initiate Identity Verification or TEI removal procedure for MDL Error Indications A and B? _____

22. Does the IUT initiate Identity Verification or TEI removal procedure for MDL Error Indications G or H?

23. Is the timer T203 for link monitoring implemented?

24. Enter the values used by the IUT for the following timers:
(Enter 0 if not implemented.)

T200 _____

T202 _____

T203 _____

25. Enter the delay time (in milliseconds) for processing and transferring messages between the IUT and tester.

26. If it is necessary to have the tolerance of timer T200 tested, please specify the tolerance of your timer T200.

27. Enter the value of a timer to ensure a response from the IUT when Layer 3 messages are expected.

28. Does the IUT remove its TEI value upon receipt of an ID_Assign with Ai duplicated?

29. Is Q.931 software capability implemented (or present) in the IUT?

30. Does the IUT discard an unbounded frame if two times the longest permissible frame plus two octets are received without a flag detection?

- If yes, enter the length of a frame at which a frame is considered unbounded.

31. Does the IUT check the TEI number of the Identity assigned message received if there is no Identity check request message outstanding?

32. Does the IUT remain in the TEI unassigned state after removal of the TEI number?

3 ABBREVIATIONS

Ai	Action Indicator
ANS	American National Standard
ATS	Abstract Test Suite
BRI	Basic Rate Interface
CCITT	International Telegraph and Telephone Consultative Committee
CPE	Customer Premise Equipment
ISDN	Integrated Services Digital Network
ISO	International Organization for Standardization
IUT	Implementation Under Test
k	Window size
LAPD	Link Access Procedures on the D-channel
MFE	Multiple Frame Established
MFO	Multiple Frame Operation
MGMT	Management group
OSI	Open System Interconnection
PDU	Protocol Data Units
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation Extra Information for Testing
SUT	System Under Test
TA	Terminal Adaptor
TE1	Terminal Equipment of type 1
TEI	Terminal Endpoint Identifier
TTCN	Tree and Tabular Combined Notation
XID	Exchange Identification

REFERENCES

- [1] CCITT Recommendation Q.921, *ISDN User-Network Interface-Data Link Layer Specification*, 1992.
- [2] ANS T1.602-1989¹, *Telecommunications - ISDN - Data Link Layer Signaling Specification for Application at the User-Network Interface*.
- [3] CCITT Recommendations X.290 to X.294, inclusive, *OSI Conformance Testing Methodology and Framework for Protocol Recommendations for CCITT Applications*, 1989.

¹Available from the American National Standards Institute, 11 West 42nd Street, New York, NY 10036.

Test Suite Overview			
Suite Name: LAPD Standards ref: CCITT Q921 (1992) PICS proforma ref: CCITT Q921 (1992) Annex E PIXIT proforma ref: CCITT Q921bis (1992), section 2.10. PICS/PIXIT use: . Test Method(s): Remote Single Layer Comments: .			
Test Case Identifier	Test Case Reference		Description
DM10_V01	LAPD/MGMT/DM10_V01	0477	Verify that the IUT a) changes to TEI Assigned state (4,0) with no response, b) sends a SABME and changes to Awaiting Establishment state (5,0), or c) sends an XID frame and changes to TEI Assigned state (4,0) in response to an ID_Assigned frame with a matching Ri.
DM10_V02	LAPD/MGMT/DM10_V02	0479	Verify that the IUT resends an ID_Request in response to a T202 timer expiry caused by ID_Assign sent by the tester with the Ri value unmatched to the first ID_Request.
DM10_V04	LAPD/MGMT/DM10_V04	0481	Verify that the IUT resends an ID_Request in response to a T202 timer expiry after ID_Denied sent by the tester with the Ri value matched and Ai = 127 to the first ID_Request.
DM10_V05	LAPD/MGMT/DM10_V05	0483	Verify that the IUT resends an ID_Request in response to a T202 timer expiry caused by ID_Denied sent by the tester with the Ri value unmatched and Ai

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Test Case Identifier	Test Case Reference		Description
DM10_V07	LAPD/MGMT/DM10_V07	0485	= 127 to the first ID_Request. Verify that the IUT responds with a second ID_Request (different Ri#) to a T202 Timeout Condition in TEI Unassigned state (1,0).
DM10_V08	LAPD/MGMT/DM10_V08	0487	Verify that the IUT transmits at least N202 ID_Requests (different Ri#) to T202 Timeout Conditions in TEI Unassigned state (1,0).
DM10_V09	LAPD/MGMT/DM10_V09	0489	Verify that the IUT does not respond to an ID_Check_Request with Ai in the Automatic Range (64 - 126) in TEI Unassigned state (1,0). IUT is expected to remain in state (1,0).
DM10_V10	LAPD/MGMT/DM10_V10	0490	Verify that the IUT does not respond to an ID_Check_Request with Ai in the Non-automatic Range (0-63) in TEI Unassigned state (1,0). IUT is expected to remain in state (1,0).
DM10_V12	LAPD/MGMT/DM10_V12	0491	Verify that the IUT does not respond to an ID_Remove with Ai=127 in TEI Unassigned state (1,0). IUT is expected to remain in state (1,0).
DM10_V14	LAPD/MGMT/DM10_V14	0492	Verify that the IUT does not respond to an ID_Remove with Ai in the non-automatic TEI range (0-63) in TEI Unassigned state (1,0). IUT is expected to remain in state (1,0).

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Test Case Identifier	Test Case Reference		Description
DM10_V15 # # # # #	LAPD/MGMT/DM10_V15	0493	Verify that the IUT does not respond to an ID_Assign with A1 in the automatic range (64-126) in TEI Unassigned state (1.0). IUT is expected to remain in state (1.0).
DM10_V17 # # # # #	LAPD/MGMT/DM10_V17	0494	Verify that the IUT does not respond to an ID_Remove with A1 value in automatic range (64-126) in TEI Unassigned state (1.0). IUT is expected to remain in state (1.0).
DM10_I01 # # # # #	LAPD/MGMT/DM10_I01	0495	Verify that the IUT responds with a second ID_Request (different R1#) to an ID_Check_Request (with A1=127) in TEI Unassigned state (1.0).
DM10_I02 # # # # #	LAPD/MGMT/DM10_I02	0496	Verify that the IUT responds with a second ID_Request (different R1#) to an ID_remove (non-matching A1) in TEI Unassigned state (1.0).
DM10_I03 # # # # #	LAPD/MGMT/DM10_I03	0497	Verify that the IUT does not respond to an ID_Check_Request (A1=127) received in TEI Unassigned state (1.0).
DM10_N01 # # # # #	LAPD/MGMT/DM10_N01	0498	Verify that the IUT resends an ID_Request in response to a T202 timer expiry caused by an UNDEFINED frame sent in response to the first ID_Request.
DM10_N02 #	LAPD/MGMT/DM10_N02	0500	Verify that the IUT responds with a second

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Test Case Identifier	Test Case Reference		Description
# # # # #			ID_Request (different R1#) to an ID_Assign with an invalid management entity identifier in TEI Unassigned state (1.0).
DM10_N03 # # # # #	LAPD/MGMT/DM10_N03	0502	Verify that the IUT responds with a second ID_Request (different R1#) to an ID_Assign with an invalid SAPI (62) in TEI Unassigned state (1.0).
DM10_N04 # # # # #	LAPD/MGMT/DM10_N04	0504	Verify that the IUT responds with a second ID_Request (different R1#) to an ID_Assign with an invalid TEI (126) in TEI Unassigned state (1.0).
DM10_N05 # # # # #	LAPD/MGMT/DM10_N05	0506	Verify that the IUT responds with a second ID_Request (different R1#) to a UI frame with valid management entity identifier, but with undefined message type, in TEI Unassigned state (1.0).
DM20_V07 # # # # #	LAPD/MGMT/DM20_V07	0507	Verify the accuracy of the IUT's T202 timer (minimum time between the transmission of TEI ID_Request messages).
DM20_V08 # # # # #	LAPD/MGMT/DM20_V08	0508	Verify the value of the IUT's N202 counter (maximum number of TEI ID_Request messages).
DM20_V10 # # # # #	LAPD/MGMT/DM20_V10	0509	Verify that the IUT does not respond to an ID_Check_Request with the A1 set to a non-automatic TEI value. The IUT is expected to remain in

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Test Case Identifier	Test Case Reference		Description
DM20_V12	LAPD/MGMT/DM20_V12	0510	Assign Awaiting TEI state (2.0). Verify that the IUT ignores an ID_Remove with A1=127 received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DM20_V13	LAPD/MGMT/DM20_V13	0511	Verify that the IUT ignores an ID_Remove with the A1 set to an automatic TEI value received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DM20_V14	LAPD/MGMT/DM20_V14	0512	Verify that the IUT ignores an ID_Remove with the A1 set to a non-automatic TEI value received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DM20_V15	LAPD/MGMT/DM20_V15	0513	Verify that the IUT adopts the TEI contained in the A1 of an ID_Assigned frame when it is set to an automatic TEI value. The IUT is expected to enter the TEI Assigned state (4.0).
DM20_IO1	LAPD/MGMT/DM20_IO1	0514	Verify that the IUT does not respond to an ID_Check_Request with A1=127 received in Assign Awaiting TEI state (2.0). The IUT is

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Test Case Identifier	Test Case Reference		Description
DM20_NO2	LAPD/MGMT/DM20_NO2	0515	expected to remain in Assign Awaiting TEI state (2.0). Verify that the IUT ignores an ID_Denied with an invalid R1 received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DM40_V01	LAPD/MGMT/DM40_V01	0516	Verify that an IUT with Automatic TEI either 1) sends an ID_Verify, 2) does not respond, or 3) removes the TEI, in response to an ID_Assign with A1 duplicated in TEI Assigned state (4.0).
DM40_V02	LAPD/MGMT/DM40_V02	0517	Verify that the IUT does not respond to an ID_Assign with non-matching A1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DM40_V03	LAPD/MGMT/DM40_V03	0518	Verify that the IUT sends a second ID_Verify after receiving no response to its first ID_Verify. The IUT is expected to remain in TEI Assigned state (4.0).
DM40_V04	LAPD/MGMT/DM40_V04	0520	Verify that the IUT removes a TEI after receiving no response to two ID_Verify management frames sent by the IUT. The IUT should remove the TEI

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Test Case Identifier	Test Case Reference		Description
# DM40_V05 # # # # # # # # DM40_V06 # # # # # # # # DM40_V07 # # # # # # # # DM40_V08 # # # # # # # # DM40_V09	LAPD/MGMT/DM40_V05 LAPD/MGMT/DM40_V06 LAPD/MGMT/DM40_V07 LAPD/MGMT/DM40_V08 LAPD/MGMT/DM40_V09	0522 0523 0524 0525 0527	and enter TEI Unassigned state (1.0). Verify that the IUT sends an ID_Check_Respo nse in response to a ID _Check Request with the A1 value matched received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT sends an ID_Check_Respo nse in response to a ID _Check Request with the TEI = 127 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT sends an ID_Check_Respo nse in response to a ID _Check Request (A1 matching). The ID_Check _Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT sends an ID_Check_Respo nse in response to a ID _Check Request (TEI = 127). The ID_Check_Requ est was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
# # # # # # # # # # DM40_V10 # # # # # # # # # # DM40_V11 # # # # # DM40_V12 # # # # # DM40_V13 #	LAPD/MGMT/DM40_V10 LAPD/MGMT/DM40_V11 LAPD/MGMT/DM40_V12 LAPD/MGMT/DM40_V13	0529 0530 0531 0532	sends an ID_Check_Respo nse in response to a ID _Check Request. The IUT's TEI value is within the list of A1 values specified in the request. The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT sends an ID_Verify in response to a ID_Check Request (TEI=127). The IUT's TEI value is NOT in the list of A1 values specified in request). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT does not respond to an ID_Remove with TEI value = 127 received in TEI Assigned state (4.0). Verify that the IUT responds to an ID_Remove with A1 value = IUT's TEI value in TEI Assigned state (4.0). The IUT is expected to enter TEI Unassigned state (1.0). Verify that the IUT either sends an

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Test Case Identifier	Test Case Reference		Description
DM40_V14	LAPD/MGMT/DM40_V14	0534	ID_Verify or removes a TEI in response to an unsolicited UA(F=1) in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0) or, when TEI is removed, enter TEI Unassigned state (1.0), respectively. Verify that the IUT sends an ID_Verify or Removes TEI in response to a UA(F=0) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0) or, when TEI is removed, enter TEI Unassigned state (1.0).
DM40_I01	LAPD/MGMT/DM40_I01	0535	Verify that the IUT does not respond to an ID_Denied with A1 = 127 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DM40_I03	LAPD/MGMT/DM40_I03	0536	Verify that the IUT does not respond to an ID_Check_Request with non-matching TEI received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DM40_I04	LAPD/MGMT/DM40_I04	0537	Verify that the IUT does not respond to an ID_Remove with non-matching A1 received in TEI Assigned state (4.0).

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Test Case Identifier	Test Case Reference		Description
DM40_N01	LAPD/MGMT/DM40_N01	0538	The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT does not respond to an ID_Check_Request with an invalid management entity identifier received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DM40_N02	LAPD/MGMT/DM40_N02	0539	Verify that the IUT does not respond to an ID_Check_Request with an invalid SAPI(62) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DM40_N03	LAPD/MGMT/DM40_N03	0540	Verify that the IUT does not respond to an ID_Check_Request with an invalid TEI address (126) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DM40_N04	LAPD/MGMT/DM40_N04	0541	Verify that the IUT does not respond to a UI frame with valid management entity identifier, but with undefined message type, received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DM50_V01	LAPD/MGMT/DM50_V01	0542	Verify that an Automatic TEI either 1) sends an ID_Verify, or

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Test Case Identifier	Test Case Reference		Description
#			2) removes the TEI in response to an
#			ID_Assign (with A1 duplicated) in Awaiting Establishment state (5.0).
#			Verify that the IUT does not respond to an
DM50_V02	LAPD/MGMT/DM50_V02	0543	ID_Assign with nonmatching A1 received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).
#			Verify that the IUT sends a second
#			ID_Verify after receiving no response to its first ID_Verify.
DM50_V03	LAPD/MGMT/DM50_V03	0544	The IUT is expected to remain in Awaiting Establishment state (5.0).
#			Verify that the IUT removes a TEI after
#			receiving no response to two ID_Verify management frames sent by the IUT. The IUT is expected to remove its
DM50_V04	LAPD/MGMT/DM50_V04	0546	TEI and enter TEI Unassigned state (1.0).
#			Verify that the IUT sends an ID_Check_Response in response to a ID
DM50_V05	LAPD/MGMT/DM50_V05	0548	_Check_Request with the A1 value matched
#			received in Awaiting Establishment state (5.0). The IUT is expected to remain in
#			Awaiting Establishment state (5.0).

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Test Case Identifier	Test Case Reference		Description
DM50_V06	LAPD/MGMT/DM50_V06	0549	Verify that the IUT sends an ID_Check_Response in response to a ID
#			_Check_Request with the TEI value = 127 in
#			Awaiting Establishment state (5.0).
DM50_V07	LAPD/MGMT/DM50_V07	0550	Verify that the IUT sends an ID_Check_Response in response to a ID
#			_Check Request (A1 matching). The ID_Check_Request was prompted
#			by an ID_Verify sent by the IUT. The IUT is expected to remain in
DM50_V08	LAPD/MGMT/DM50_V08	0551	Awaiting Establishment state (5.0).
#			Verify that the IUT sends an ID_Check_Response in response to a ID
#			_Check Request (TEI = 127). The ID_Check_Request was prompted by an
#			ID_Verify sent by the IUT. The IUT is expected to remain in
DM50_V09	LAPD/MGMT/DM50_V09	0553	Awaiting Establishment state (5.0).
#			Verify that the IUT sends an ID_Check_Response in response to a ID
#			_Check Request. The IUT's TEI value is within the list of AI
#			values specified in request. The ID_Check_Request was
#			prompted by an ID_Verify sent by the
#			IUT. The IUT is expected to remain in
#			Awaiting Establishment state (5.0).
DM50_V10	LAPD/MGMT/DM50_V10	0555	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
DM50_V11	LAPD/MGMT/DM50_V11	0557	sends an ID_Verify in response to a ID_Check Request. The IUT's TEI value is NOT within the list of AI values specified in request). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Establishment state (5.0). Verify that the IUT removes its TEI in response to an ID_Remove with TEI value = 127 in Awaiting Establishment state (5.0).
DM50_V12	LAPD/MGMT/DM50_V12	0558	Verify that the IUT removes its TEI in response to an ID_Remove with AI value = IUT's TEI value in Awaiting Establishment state (5.0). The IUT is expected to enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0).
DM50_V13	LAPD MGMT/DM50_V13	0559	Verify that the IUT either 1) sends an ID_Verify, 2) removes its TEI, or 3) does not respond, to a timeout of T200 N200 times in the Awaiting Establishment state (5.0). The IUT is expected to be in either Awaiting Establishment state (5.0), TEI Unassigned state (1.0),

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Test Case Identifier	Test Case Reference	Page	Description
DM50_V14	LAPD MGMT/DM50_V14	0561	or TEI Assigned state (4.0), respectively. Verify that the IUT sends an ID_Verify or removes a TEI in response to an unsolicited UA(F=0) in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0) or, when TEI is removed, enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0).
DM50_V15	LAPD MGMT/DM50_V15	0563	Verify that an IUT supporting automatic TEI assignment, enters TEI Unassigned state (1.0), and either sends an ID-Request or sends nothing, in response to an ID-Remove (AI=127) received in Awaiting Establishment state (5.0).
DM50_V16	LAPD/MGMT/DM50_V16	0564	Verify that an IUT supporting automatic TEI assignment, enters TEI Unassigned state, and either sends an ID-Request or sends nothing, in response to an ID-Remove (AI=IUT's TEI value) received in Awaiting Establishment state (5.0).
DM50_V17	LAPD/MGMT/DM50_V17	0565	Verify that the IUT does not respond to an ID_Denied with AI = 127 received in Awaiting Establishment state (5.0). The IUT is

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Test Case Identifier	Test Case Reference		Description
#			expected to remain in
#			Awaiting Establishment
#			state (5.0).
DM50_I03	LAPD/MGMT/DM50_I03	0566	Verify that the IUT
#			does not respond to an
#			ID_Check_Request with
#			non-matching TEI
#			received in Awaiting
#			Establishment state (5.
#			0). The IUT is
#			expected to remain in
#			Awaiting Establishment
#			state (5.0).
DM50_I04	LAPD/MGMT/DM50_I04	0567	Verify that the IUT
#			does not respond to an
#			ID_Remove with
#			non-matching A1
#			received in Awaiting
#			Establishment state (5.
#			0). The IUT is
#			expected to remain in
#			Awaiting Establishment
#			state (5.0).
DM50_N01	LAPD/MGMT/DM50_N01	0568	Verify that the IUT
#			does not respond to an
#			ID_Check_Request with
#			an invalid management
#			identifier received in
#			Awaiting Establishment
#			state (5.0). The IUT
#			is expected to remain
#			in Awaiting Establishme
#			nt state (5.0).
DM50_N02	LAPD/MGMT/DM50_N02	0569	Verify that the IUT
#			does not respond to an
#			ID_Check_Request with
#			an invalid SAPI (62)
#			received in Awaiting
#			Establishment state (5.
#			0). The IUT is
#			expected to remain in
#			Awaiting Establishment
#			state (5.0).
DM50_N03	LAPD/MGMT/DM50_N03	0570	Verify that the IUT
#			does not respond to an

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Test Case Identifier	Test Case Reference		Description
#			ID_Check_Request with
#			an invalid TEI address
#			(126) received in
#			Awaiting Establishment
#			state (5.0). The IUT
#			is expected to remain
#			in Awaiting Establishme
#			nt state (5.0).
DM50_N04	LAPD/MGMT/DM50_N04	0571	Verify that the IUT
#			does not respond to a
#			UI frame with valid
#			management entity
#			identifier, but with an
#			undefined message type,
#			received in Awaiting
#			Establishment state (5.
#			0). The IUT is
#			expected to remain in
#			Awaiting Establishment
#			state (5.0).
DM60_V01	LAPD/MGMT/DM60_V01	0572	Verify that an
#			Automatic TEI (either 1)
#			sends an ID_Verify, or
#			2) removes TEI to an ID
#			_Assign with A1
#			uplicated in Awaiting
#			Release state (6.0).
DM60_V02	LAPD/MGMT/DM60_V02	0573	Verify that the IUT
#			does not respond to an
#			ID_Assign with
#			nonmatching A1 received
#			in Awaiting Release
#			state (6.0). The IUT
#			is expected to remain
#			in Awaiting Release
#			stae (6.0).
DM60_V03	LAPD/MGMT/DM60_V03	0574	Verify that the IUT
#			sends a second
#			ID_Verify after
#			receiving no response
#			to its first ID_Verify.
#			The IUT is expected to
#			remain in Awaiting
#			Release state (6.0).
DM60_V04	LAPD/MGMT/DM60_V04	0576	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
DM60_V03	LAPD/MGMT/DM60_V05	0578	removes a TEI after receiving no response to two ID_Verify management frames. The IUT is expected to remove the TEI and enter TEI Unassigned state (1.0). Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with the AI value matched received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0). Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with TEI value = 127 received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0). Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request (AI matching). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Release state (6.0). Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request (TEI = 127). The ID_Check_Request was prompted by an
DM60_V06	LAPD/MGMT/DM60_V06	0579	
DM60_V07	LAPD/MGMT/DM60_V07	0580	
DM60_V08	LAPD/MGMT/DM60_V08	0581	

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Test Case Identifier	Test Case Reference		Description
DM60_V09	LAPD/MGMT/DM60_V09	0583	ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Release state (6.0). Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request. The IUT's TEI value is within the list of AI values specified in request. The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Release state (6.0). Verify that the IUT sends an ID_Verify in response to a ID_Check_Request. The IUT's TEI value is NOT within the AI list in the request). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Release state (6.0). Verify that the IUT removes its TEI in response to an ID_Remove with TEI value = 127 in Awaiting Release state (6.0). The IUT is expected to enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0). Verify that the IUT
DM60_V10	LAPD/MGMT/DM60_V10	0585	
DM60_V11	LAPD/MGMT/DM60_V11	0587	
DM60_V12	LAPD/MGMT/DM60_V12	0588	

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Test Case Identifier	Test Case Reference		Description
#			responds to an
#			ID_Remove with A1 value
#			= IUT's TEI value
#			received in Awaiting
#			Release state (6.0).
#			The IUT is expected to
#			enter either TEI
#			Unassigned state (1.0)
#			or Assign Awaiting TEI
#			state (2.0).
DM60_V13	LAPD/MGMT/DM60_V13	0589	Verify that the IUT
#			either 1) sends an
#			ID_Verify, 2) removes
#			its TEI, or 3) does not
#			respond, to a timeout
#			of T200 N200 times in
#			the Awaiting Release
#			state (6.0). The IUT is
#			expected to be in
#			either Awaiting
#			Establishment state (5.
#			0), TEI Unassigned
#			state (1.0), or TEI
#			Assigned state (4.0),
#			respectively.
DM60_V14	LAPD/MGMT/DM60_V14	0591	Verify that the IUT
#			sends an ID_Verify or
#			removes TEI in response
#			to an unsolicited UA
#			(F=0). The IUT is
#			expected to remain in
#			Awaiting Release state
#			(6.0) or, when TEI is
#			removed, enter either
#			TEI Unassigned state
#			(1.0) or Assign
#			Awaiting TEI state
#			(2.0).
DM60_V15	LAPD/MGMT/DM60_V15	0593	Verify that an IUT
#			supporting automatic
#			TEI assignment, enters
#			TEI Unassigned state
#			(1.0), and either sends
#			an ID-Request or sends
#			nothing, in response to

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Test Case Identifier	Test Case Reference		Description
#			an ID-Remove (A1=127)
#			received in Awaiting
#			Release state (6.0).
DM60_V17	LAPD/MGMT/DM60_V17	0594	Verify that an IUT
#			supporting automatic
#			TEI assignment, enters
#			TEI Unassigned state,
#			and either sends an
#			ID-Request or sends
#			nothing, in response to
#			an ID-Remove (A1=IUT's
#			TEI value) received in
#			Awaiting Release state
#			(6.0).
DM60_I01	LAPD/MGMT/DM60_I01	0595	Verify that the IUT
#			does not respond to an
#			ID_Denied with A1 = 127
#			received in Awaiting
#			Release state (6.0).
#			The IUT is expected to
#			remain in Awaiting
#			Release state (6.0).
DM60_I03	LAPD/MGMT/DM60_I03	0596	Verify that the IUT
#			does not respond to an
#			ID_Check_Request with
#			non-matching TEI
#			received in Awaiting
#			Release state (6.0).
#			The IUT is expected to
#			remain in Awaiting
#			Release state (6.0).
DM60_I04	LAPD/MGMT/DM60_I04	0597	Verify that the IUT
#			does not respond to an
#			ID_Remove with
#			non-matching A1
#			received in Awaiting
#			Release state (6.0).
#			The IUT is expected to
#			remain in Awaiting
#			Release state (6.0).
DM60_N01	LAPD/MGMT/DM60_N01	0598	Verify that the IUT
#			does not respond to an
#			ID_Check_Request with
#			an invalid management
#			identifier received in

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Test Case Identifier	Test Case Reference		Description
DM60_N02	LAPD/MGMT/DM60_N02	0599	Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0). Verify that the IUT does not respond to an ID_Check_Request with an invalid SAPI(62) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).
DM60_N03	LAPD/MGMT/DM60_N03	0600	Verify that the IUT does not respond to an ID_Check_Request with an invalid TEI (126) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).
DM60_N04	LAPD/MGMT/DM60_N04	0601	Verify that the IUT does not respond to a UI frame with valid management identifier, but with an undefined message type, received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).
DM70_V01	LAPD/MGMT/DM70_V01	0602	Verify that an Automatic TEI either 1) sends an ID_Verify, or 2) removes TEI to an ID_Assign with A1 duplicated in Multiple Frame Established state (7.0).
DM70_V02	LAPD/MGMT/DM70_V02	0603	Verify that the IUT does not respond to an ID_Assign with

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Test Case Identifier	Test Case Reference		Description
DM70_V03	LAPD/MGMT/DM70_V03	0604	nonmatching A1 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0). Verify that the IUT sends a second ID_Verify after receiving no response to its first ID_Verify. The IUT is expected to remain in Multiple Frame Established state (7.0).
DM70_V04	LAPD/MGMT/DM70_V04	0606	Verify that the IUT removes a TEI after receiving no response to two ID_Verify management frames sent by the IUT. The IUT is expected to enter TEI Unassigned state (1.0).
DM70_V05	LAPD/MGMT/DM70_V05	0608	Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with the A1 value matched received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).
DM70_V06	LAPD/MGMT/DM70_V06	0609	Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with the TEI value - 127 in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple

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Test Case Identifier	Test Case Reference		Description
# DM70_V07 # # # # # # # #	LAPD/MGMT/DM70_V07	0610	Frame Established state (7.0). Verify that the IUT sends an ID_Check_Response in response to an ID_Check Request (AI matching). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Multiple Frame Established state (7.0).
# DM70_V08 # # # # # # #	LAPD/MGMT/DM70_V08	0611	Verify that the IUT sends an ID_Check_Response in response to a ID_Check Request (TEI = 127). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Multiple Frame Established state (7.0).
# DM70_V09 # # # # # # # # # # # #	LAPD/MGMT/DM70_V09	0613	Verify that the IUT sends an ID_Check_Response in response to a ID_Check Request. The IUT's TEI value is within the list of AI values specified in request. The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Multiple Frame Established state (7.0).
# DM70_V10 #	LAPD/MGMT/DM70_V10	0615	Verify that the IUT sends an ID_Verify in response to a ID_Check

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Test Case Identifier	Test Case Reference		Description
# # # # # # # # # #			Request. The IUT's TEI value is NOT within specified list in request). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Multiple Frame Established state (7.0).
# DM70_V11 # # # # #	LAPD/MGMT/DM70_V11	0616	Verify that the IUT removes its TEI in response to an ID_Remove with TEI value = 127 in Multiple Frame Established state (7.0).
# DM70_V12 # # # # # # #	LAPD/MGMT/DM70_V12	0617	Verify that the IUT responds to an ID_Remove with AI value = IUT's TEI value in Multiple Frame Established state (7.0). The IUT is expected to enter TEI Unassigned state (1.0).
# DM70_V13 # # # # # # # # # # # #	LAPD/MGMT/DM70_V13	0618	Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA (F=1) in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0) or, when TEI is removed, enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0).
# DM70_V14 #	LAPD/MGMT/DM70_V14	0620	Verify that the IUT sends an ID_Verify or

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Test Case Identifier	Test Case Reference		Description
DM70_I01	LAPD/MGMT/DM70_I01	0621	removes TEI in response to an unsolicited UA (F=0). The IUT is expected to remain in Multiple Frame Established state (7.0) or, when TEI is removed, enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0). Verify that the IUT does not respond to an ID_Denied with A1 = 127 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).
DM70_I03	LAPD/MGMT/DM70_I03	0622	Verify that the IUT does not respond to an ID_Check_Request with non-matching TEI received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).
DM70_I04	LAPD/MGMT/DM70_I04	0623	Verify that the IUT does not respond to an ID_Remove with non-matching A1 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).
DM70_N01	LAPD/MGMT/DM70_N01	0624	Verify that the IUT does not respond to an

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Test Case Identifier	Test Case Reference		Description
DM70_N02	LAPD/MGMT/DM70_N02	0625	ID_Check_Request with an invalid management identifier received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0). Verify that the IUT does not respond to an ID_Check_Request with an invalid SAPI (62) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).
DM70_N03	LAPD/MGMT/DM70_N03	0626	Verify that the IUT does not respond to an ID_Check_Request with an invalid TEI Address (126) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).
DM70_N04	LAPD/MGMT/DM70_N04	0627	Verify that the IUT does not respond to a UI frame with a valid management entity identifier, but with an undefined message type, in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).
DM74_V11	LAPD/MGMT/DM74_V11	0628	Verify that an IUT supporting automatic

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Test Case Identifier	Test Case Reference		Description
#			TEI assignment, enter the TEI Unassigned state (1.0), and either sends an ID-Request or sends nothing, in response to an ID-Remove (A1=TEI assigned to the IUT) received in Multiple Frame Established state (7.4).
DM74_V13	LAPD/MGMT/DM74_V13	0629	Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA (F=1) in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state (7.4) or, when TEI is removed, enter TEI Unassigned state (1.0).
DM74_V14	LAPD/MGMT/DM74_V14	0631	Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA (F=0) in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state (7.4) or, when TEI is removed, enter TEI Unassigned state (1.0).
DM74_V15	LAPD/MGMT/DM74_V15	0633	Verify that an IUT supporting automatic TEI assignment, enters the TEI Unassigned state (1.0), and either sends an ID-Request or sends nothing, in response to an ID-Remove (A1=127) received in Multiple

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Test Case Identifier	Test Case Reference		Description
#			Frame Established state (7.4).
DM80_V01	LAPD/MGMT/DM80_V01	0634	Verify that an Automatic TEI either 1) sends an ID_Verify, or 2) removes TEI to an ID_Unassign with A1 duplicated in Timer Recovery state (8.0).
DM80_V02	LAPD/MGMT/DM80_V02	0635	Verify that the IUT does not respond to an ID Assign with a nonmatching A1 in Timer Recovery state (8.0). The IUT is expected to remain in Timer Recovery state (8.0).
DM80_V03	LAPD/MGMT/DM80_V03	0636	Verify that the IUT sends a second ID_Verify after receiving no response to its first ID_Verify. The IUT is expected to remain in Timer Recovery state (8.0).
DM80_V04	LAPD/MGMT/DM80_V04	0638	Verify that the IUT removes a TEI after receiving no response to two ID_Verify management frames sent by the IUT. The IUT is expected to enter TEI Unassigned state (1.0).
DM80_V05	LAPD/MGMT/DM80_V05	0640	Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with the A1 value matched in Timer Recovery state (8.0).
DM80_V06	LAPD/MGMT/DM80_V06	0641	Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with the TEI value set to 127 in

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Test Case Identifier	Test Case Reference		Description
DM80_V07	LAPD/MGMT/DM80_V07	0642	Timer Recovery state (8.0). Verify that the IUT sends an ID_Check_Response in response to a ID_Check Request (AI matching). The ID_Check Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Timer Recovery state (8.0).
DM80_V08	LAPD/MGMT/DM80_V08	0644	Verify that the IUT sends an ID_Check_Response or in response to a ID_Check Request (TEI = 127). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Timer Recovery state (8.0).
DM80_V09	LAPD/MGMT/DM80_V09	0646	Verify that the IUT sends an ID_Check_Response in response to a ID_Check Request. The IUT's TEI value is within the list of AI values specified in request. The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Timer Recovery state (8.0).
DM80_V10	LAPD/MGMT/DM80_V10	0648	Verify that the IUT sends an ID_Verify in response to a ID_Check Request. The IUT's TEI value is NOT within the specified list in the

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Test Case Identifier	Test Case Reference		Description
DM80_V11	LAPD/MGMT/DM80_V11	0649	request). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Timer Recovery state (8.0). Verify that the IUT removes its TEI in response to an ID_Remove with TEI value = 127 in Timer Recovery state (8.0).
DM80_V12	LAPD/MGMT/DM80_V12	0650	Verify that the IUT responds to an ID_Remove with AI value = IUT's TEI value in Timer Recovery state (8.0). The IUT is expected to enter TEI Unassigned state (1.0).
DM80_V13	LAPD/MGMT/DM80_V13	0651	Verify that the IUT sends an ID_Verify or removes a TEI in response to an unsolicited UA (F=1) in Timer Recovery state (8.0). The IUT is expected to remain in Timer Recovery state (8.0) or, when TEI is removed, enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0).
DM80_V14	LAPD/MGMT/DM80_V14	0653	Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA (F=0). The IUT is expected to remain in Timer Recovery state (8.0) or, when TEI is

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Test Case Identifier	Test Case Reference		Description
#			removed, enter either
#			TEI Unassigned state
#			(1.0) or Assign
#			Awaiting TEI state
#			(2.0).
DM80_I01	LAPD/MGMT/DM80_I01	0655	Verify that the IUT
#			does not respond to an
#			ID_Denied with A1 = 12 /
#			in Timer Recovery state
#			(8.0).
DM80_I03	LAPD/MGMT/DM80_I03	0656	Verify that the IUT
#			does not respond to an
#			ID_Check_Request with
#			non-matching TEI in
#			Timer Recovery state
#			(8.0).
DM80_I04	LAPD/MGMT/DM80_I04	0657	Verify that the IUT
#			does not respond to an
#			ID_Remove with
#			non-matching A1 in
#			Timer Recovery state
#			(8.0).
DM80_N01	LAPD/MGMT/DM80_N01	0658	Verify that the IUT
#			does not respond to an
#			ID_Check_Request with
#			an invalid management
#			identifier in Timer
#			Recovery state (8.0).
DM80_N02	LAPD/MGMT/DM80_N02	0659	Verify that the IUT
#			does not respond to an
#			ID_Check_Request with
#			an invalid SAPI (62) in
#			Timer Recovery state
#			(8.0).
DM80_N03	LAPD/MGMT/DM80_N03	0660	Verify that the IUT
#			does not respond to an
#			ID_Check_Request with
#			an invalid TEI Address
#			(126) in Timer Recovery
#			state (8.0).
DM80_N04	LAPD/MGMT/DM80_N04	0661	Verify that the IUT
#			does not respond to a
#			UI frame with a valid
#			management entity
#			identifier, but with an

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Test Case Identifier	Test Case Reference		Description
#			undefined message type,
#			in Timer Recovery state
#			(8.0).
DM84_V11	LAPD/MGMT/DM84_V11	0662	Verify that an IUT
#			supporting automatic
#			TEI assignment, enters
#			TEI Unassigned state,
#			and either sends an
#			ID Request or sends
#			nothing, in response to
#			an ID-Remove (A1=IUT's
#			TEI value) received in
#			Timer Recovery state
#			(8.4).
DM84_V13	LAPD/MGMT/DM84_V13	0663	Verify that the IUT
#			sends an ID_Verify or
#			removes TEI in response
#			to an unsolicited UA
#			(F=1) in Timer Recovery
#			state (8.4). The IUT is
#			expected to remain in
#			Timer Recovery state
#			(8.4) or, when TEI is
#			removed, enter TEI
#			Unassigned state (1.0).
DM84_V14	LAPD/MGMT/DM84_V14	0665	Verify that the IUT
#			sends an ID_Verify or
#			removes TEI in response
#			to an unsolicited UA
#			(F=0) in Timer Recovery
#			state (8.4). The IUT is
#			expected to remain in
#			Timer Recovery state
#			(8.4) or, when TEI is
#			removed, enter TEI
#			Unassigned state (1.0).
DM84_V15	LAPD/MGMT/DM84_V15	0667	Verify that an IUT
#			supporting automatic
#			TEI assignment, enters
#			TEI Unassigned state
#			(1.0), and either sends
#			an ID-Request or sends
#			nothing, in response to
#			an ID-Remove (A1=127)
#			received in Timer

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Test Case Identifier	Test Case Reference		Description
DL10_I01	LAPD/MFO/S10/DL10_I01	0668	Recovery state (8.4). Verify that the IUT ignores a UA/F=1 received in TEI. Unassigned state (1.0). The IUT is expected to remain in TEI.
DL10_I02	LAPD/MFO/S10/DL10_I02	0669	Unassigned state (1.0). Verify that the IUT ignores a DM/F=1 received in TEI. Unassigned state (1.0). The IUT is expected to remain in TEI.
DL10_I10	LAPD/MFO/S10/DL10_I10	0670	Unassigned state (1.0). Verify that the IUT ignores a REJ/F=1 received in TEI. Unassigned state (1.0). The IUT is expected to remain in TEI.
DL10_I13	LAPD/MFO/S10/DL10_I13	0671	Unassigned state (1.0). Verify that the IUT ignores a RNR/F=1 received in TEI. Unassigned state (1.0). The IUT is expected to remain in TEI.
DL20_I01	LAPD/MFO/S20/DL20_I01	0672	Unassigned state (1.0). Verify that the IUT does not respond to a SABME/P=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DL20_I02	LAPD/MFO/S20/DL20_I02	0673	Verify that the IUT does not respond to a DISC/P=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).

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Test Case Identifier	Test Case Reference		Description
DL20_I03	LAPD/MFO/S20/DL20_I03	0674	Verify that the IUT does not respond to a DM/F=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DL20_I04	LAPD/MFO/S20/DL20_I04	0675	Verify that the IUT does not respond to a UA/F=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DL20_I05	LAPD/MFO/S20/DL20_I05	0676	Verify that the IUT does not respond to a RR/P=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DL20_I07	LAPD/MFO/S20/DL20_I07	0677	Verify that the IUT does not respond to a REJ/P=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DL20_I11	LAPD/MFO/S20/DL20_I11	0678	Verify that the IUT does not respond to a RNR/P=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DL40_V01	LAPD/MFO/S40/DL40_V01	0679	Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in TEI Assigned state.

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Test Case Identifier	Test Case Reference		Description
# # # DL40_V04 # # # # # # # DL40_V06 # # # # # # DL40_V08 # # # # # DL40_V09 # # # #	LAPD/MFO/S40/DL40_V 04 LAPD/MFO/S40/DL40_V 06 LAPD/MFO/S40/DL40_V 08 LAPD/MFO/S40/DL40_V 09	0680 0681 0682 0683	(4.0). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1. Verify that the IUT sends either an UA/F=1 or a DM/F=1 in response a SABME/P=1 received in TEI Assigned state (4.0). The IUT is expected to be either in Multiple Frame Established state (7.0) or TEI Assigned state (4.0) after sending the response. Verify that the IUT sends either an UA/F=0 or a DM/F=0 in response a SABME/P=0 received in TEI Assigned state (4.0). The IUT is expected to be either in Multiple Frame Established state (7.0) or TEI Assigned state (4.0) after sending the response. Verify that the IUT sends a DM/F=1 in response to a DISC/P=1 received in TEI Assigned state (4.0). The IUT is expected to be in TEI Assigned state (4.0) after sending DM/F=1. Verify that the IUT sends a DM/F=0 in response to a DISC/P=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned

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Test Case Identifier	Test Case Reference		Description
# # DL40_V10 # # # # # DL40_V11 # # # # # # # DL40_I01 # # # # # DL40_I02 # # # # # DL40_I03 # # # #	LAPD/MFO/S40/DL40_V 10 LAPD/MFO/S40/DL40_V 11 LAPD/MFO/S40/DL40_I 01 LAPD/MFO/S40/DL40_I 02 LAPD/MFO/S40/DL40_I 03	0684 0685 0686 0687 0688	state (4.0) after sending DM/F=0. Verify that the IUT ignores a DM/F=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT sends either a SABME/P=1 or no direct response to a DM/F=0 received in TEI Assigned state (4.0). The IUT is expected to be either in Awaiting Establishment state (5.0) or TEI Assigned state (4.0) after response. Verify that the IUT sends no direct response to a FRMR/F=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT sends no direct response to a FRMR/F=1 (rejecting a DM) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT sends no direct response to a RR/P=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned

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Test Case Identifier	Test Case Reference		Description
DL40_I04	LAPD/MFO/S40/DL40_I04	0689	state (4.0). Verify that the IUT sends no direct response to a RR/P=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DL40_I05	LAPD/MFO/S40/DL40_I05	0690	Verify that the IUT sends no direct response to a RR/F=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DL40_I06	LAPD/MFO/S40/DL40_I06	0691	Verify that the IUT sends no direct response to a RR/F=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DL40_I07	LAPD/MFO/S40/DL40_I07	0692	Verify that the IUT sends no direct response to a REJ/F=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DL40_I08	LAPD/MFO/S40/DL40_I08	0693	Verify that the IUT sends no direct response to a REJ/P=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DL40_I09	LAPD/MFO/S40/DL40_I09	0694	Verify that the IUT sends no direct response to a REJ/F=1 received in TEI

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Test Case Identifier	Test Case Reference		Description
DL40_I10	LAPD/MFO/S40/DL40_I10	0695	Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT sends no direct response to a REJ/F=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DL40_I11	LAPD/MFO/S40/DL40_I11	0696	Verify that the IUT sends no direct response to a RNR/P=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DL40_I12	LAPD/MFO/S40/DL40_I12	0697	Verify that the IUT sends no direct response to a RNR/P=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DL40_I13	LAPD/MFO/S40/DL40_I13	0698	Verify that the IUT sends no direct response to a RNR/F=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DL40_I14	LAPD/MFO/S40/DL40_I14	0699	Verify that the IUT sends no direct response to a RNR/F=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DL40_I16	LAPD/MFO/S40/DL40_I16	0700	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
#	16		sends no direct
#			response to an I_frame
#			with P=1 received in
#			TEI Assigned state
#			(4.0). The IUT is
#			expected to remain in
#			TEI Assigned state
#			(4.0).
DL40_I17	LAPD/MFO/S40/DL40_I	0701	Verify that the IUT
#	17		sends no direct
#			response to an I_frame
#			with P=0 received in
#			TEI Assigned state
#			(4.0). The IUT is
#			expected to remain in
#			TEI Assigned state
#			(4.0).
DL40_N01	LAPD/MFO/S40/DL40_N	0702	Verify that the IUT
#	01		sends no direct
#			response to a SABME/P=1
#			, with excess length,
#			received in TEI
#			Assigned state (4.0).
#			The IUT is expected to
#			remain in TEI Assigned
#			state (4.0).
DL40_N02	LAPD/MFO/S40/DL40_N	0703	Verify that the IUT
#	02		sends no direct
#			response to a DISC
#			command/P=1, with
#			excess length, received
#			in TEI Assigned state
#			(4.0). The IUT is
#			expected to remain in
#			TEI Assigned state
#			(4.0).
DL40_N03	LAPD/MFO/S40/DL40_N	0704	Verify that the IUT
#	03		sends no direct
#			response to a UA
#			response/F=0, with
#			excess length, received
#			in TEI Assigned state
#			(4.0). The IUT is
#			expected to remain in
#			TEI Assigned state

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Test Case Identifier	Test Case Reference		Description
#			(4.0).
DL40_N04	LAPD/MFO/S40/DL40_N	0705	Verify that the IUT
#	04		sends no direct
#			response to a DM/F=0,
#			with excess length,
#			received in TEI
#			Assigned state (4.0).
#			The IUT is expected to
#			remain in TEI Assigned
#			state (4.0).
DL40_N05	LAPD/MFO/S40/DL40_N	0706	Verify that the IUT
#	05		sends no direct
#			response to a FRMR
#			response/F=0, with
#			excess length, received
#			in TEI Assigned state
#			(4.0). The IUT is
#			expected to remain in
#			TEI Assigned state
#			(4.0).
DL40_N06	LAPD/MFO/S40/DL40_N	0707	Verify that the IUT
#	06		sends no direct
#			response to a RR
#			command/P=1, with
#			excess length, received
#			in TEI Assigned state
#			(4.0). The IUT is
#			expected to remain in
#			TEI Assigned state
#			(4.0).
DL40_N07	LAPD/MFO/S40/DL40_N	0708	Verify that the IUT
#	07		sends no direct
#			response to a RNR
#			command/P=1, with
#			excess length, received
#			in TEI Assigned state
#			(4.0). The IUT is
#			expected to remain in
#			TEI Assigned state
#			(4.0).
DL40_N08	LAPD/MFO/S40/DL40_N	0709	Verify that the IUT
#	08		sends no direct
#			response to a REJ
#			command/P=1, with
#			excess length, received

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Test Case Identifier	Test Case Reference		Description
DL40_N09	LAPD/MFO/S40/DL40_N09	0710	in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Verify that the IUT sends no direct response to an I-frame received in TEI Assigned state (4.0) with an information field exceeding N201 octets. The IUT is expected to remain in TEI Assigned state (4.0).
DL40_N10	LAPD/MFO/S40/DL40_N10	0711	Verify that the IUT sends no direct response to a frame with undefined control field received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DL50_V04	LAPD/MFO/S50/DL50_V04	0712	Verify that the IUT sends a UA/F=1 in response to SABME/P=1 in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0) after sending the correct response.
DL50_V05	LAPD/MFO/S50/DL50_V05	0713	Verify that the IUT sends a UA/F=0 in response to SABME/P=0 in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0) after

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Test Case Identifier	Test Case Reference		Description
DL50_V06	LAPD/MFO/S50/DL50_V06	0714	sending the correct response. Verify that the IUT sends a DM/F=1 in response to DISC/P=1 in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0) after sending the correct response.
DL50_V07	LAPD/MFO/S50/DL50_V07	0715	Verify that the IUT sends a DM/F=0 in response to DISC/P=0 in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0) after sending the correct response.
DL50_V08	LAPD/MFO/S50/DL50_V08	0716	Verify that the IUT does not send a response to UA/F=1 received in the Awaiting Establishment state (5.0). The IUT is expected to enter Multiple Frame Established state (7.0).
DL50_V10	LAPD/MFO/S50/DL50_V10	0717	Verify that the IUT does not send a response to DM/F=1 received in the Awaiting Establishment state (5.0). The IUT is expected to enter TEI Assigned state (4.0).
DL50_V11	LAPD/MFO/S50/DL50_V11	0718	Verify that the IUT ignores the receipt of an unsolicited DM/F=0

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Test Case Identifier	Test Case Reference		Description
#			response received in
#			the Awaiting
#			Establishment state (S.
#			0). The IUT is expected
#			to remain in Awaiting
#			Establishment state (S.
#			0).
DL50_V12	LAPD/MFO/SSO/DL50_V	0719	Verify that after the
#	12		expiry of timer T200,
#			with N200 not exceeding
#			the limit, the IUT
#			sends a SABME/P=1 in
#			the Awaiting
#			Establishment state (S.
#			0). The IUT is expected
#			to remain in the
#			Awaiting Establishment
#			state (S.0).
DL50_N01	LAPD/MFO/SSO/DL50_N	0720	Verify that the IUT
#	01		does not send a
#			response to a SABME/P=1
#			with incorrect length
#			(too long) received in
#			Awaiting Establishment
#			state (S.0). The IUT is
#			expected to remain in
#			Awaiting Establishment
#			state (S.0).
DL50_N02	LAPD/MFO/SSO/DL50_N	0721	Verify that the IUT
#	02		does not send a
#			response to a DISC/P=1
#			with incorrect length
#			(too long) received in
#			Awaiting Establishment
#			state (S.0). The IUT is
#			expected to remain in
#			Awaiting Establishment
#			state (S.0).
DL50_N03	LAPD/MFO/SSO/DL50_N	0722	Verify that the IUT
#	03		does not send a
#			response to a UA/F=0
#			with incorrect length
#			(too long) received in
#			Awaiting Establishment
#			state (S.0). The IUT is

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Test Case Identifier	Test Case Reference		Description
#			expected to remain in
#			Awaiting Establishment
#			state (S.0).
DL50_N04	LAPD/MFO/SSO/DL50_N	0723	Verify that the IUT
#	04		does not send a
#			response to a DM/F=0
#			with incorrect length
#			(too long) received in
#			Awaiting Establishment
#			state (S.0). The IUT is
#			expected to remain in
#			Awaiting Establishment
#			state (S.0).
DL50_N05	LAPD/MFO/SSO/DL50_N	0724	Verify that the IUT
#	05		does not send a
#			response to a FRMR/F=0
#			with incorrect length
#			(too long) received in
#			Awaiting Establishment
#			state (S.0). The IUT is
#			expected to remain in
#			Awaiting Establishment
#			state (S.0).
DL50_N06	LAPD/MFO/SSO/DL50_N	0725	Verify that the IUT
#	06		does not send a
#			response to an RR/P=1
#			with incorrect length
#			(too long) received in
#			Awaiting Establishment
#			state (S.0). The IUT is
#			expected to remain in
#			Awaiting Establishment
#			state (S.0).
DL50_N07	LAPD/MFO/SSO/DL50_N	0726	Verify that the IUT
#	07		does not send a
#			response to a RNR/P=1
#			with incorrect length
#			(too long) received in
#			Awaiting Establishment
#			state (S.0). The IUT is
#			expected to remain in
#			Awaiting Establishment
#			state (S.0).
DL50_N08	LAPD/MFO/SSO/DL50_N	0727	Verify that the IUT
#	08		does not send a

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Test Case Identifier	Test Case Reference		Description
DL50_N09	LAPD/MFO/S50/DL50_N09	0728	response to a REJ/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0). Verify that the IUT does not send a response to an I/P=1 exceeding N201 octets received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).
DL50_N10	LAPD/MFO/S50/DL50_N10	0729	Verify that the IUT does not send a response to a frame with undefined control field received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).
DL50_I01	LAPD/MFO/S50/DL50_I01	0730	Verify that the IUT does not send a response to a FRMR/F=1 (rejecting a SABME) in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).
DL50_I02	LAPD/MFO/S50/DL50_I02	0731	Verify that the IUT does not send a response to a FRMR/F=1 response in the Awaiting Establishment state (5.0). The IUT is expected to remain in

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Test Case Identifier	Test Case Reference		Description
DL50_I03	LAPD/MFO/S50/DL50_I03	0732	the Awaiting Establishment state (5.0). Verify that the IUT does not send a response to a FRMR/F=1 (rejecting a DM) in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).
DL50_I04	LAPD/MFO/S50/DL50_I04	0733	Verify that the IUT does not send a response to a FRMR/F=1 (rejecting an I frame) in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).
DL50_I05	LAPD/MFO/S50/DL50_I05	0734	Verify that the IUT does not send a response to a FRMR/F=1 (rejecting a Supervisory frame) in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).
DL50_I06	LAPD/MFO/S50/DL50_I06	0735	Verify that the IUT does not send a response to an RR/P=1 command received in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).
DL50_I09	LAPD/MFO/S50/DL50_I09	0736	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
#	09		does not send a response to an RR/P=0 command in the Awaiting Establishment state (S.0). The IUT is expected to remain in the Awaiting Establishment state (S.0).
DL50_I10	LAPD/MFO/S50/DL50_I10	0737	Verify that the IUT does not send a response to an RR/F=1 response in the Awaiting Establishment state (S.0). The IUT is expected to remain in the Awaiting Establishment state (S.0).
DL50_I11	LAPD/MFO/S50/DL50_I11	0738	Verify that the IUT does not send a response to an RR/F=0 response in the Awaiting Establishment state (S.0). The IUT is expected to remain in the Awaiting Establishment state (S.0).
DL50_I12	LAPD/MFO/S50/DL50_I12	0739	Verify that the IUT does not send a response to an REJ/P=1 command in the Awaiting Establishment state (S.0). The IUT is expected to remain in the Awaiting Establishment state (S.0).
DL50_I13	LAPD/MFO/S50/DL50_I13	0740	Verify that the IUT does not send a response to an REJ/P=0 command in the Awaiting Establishment state (S.0). The IUT is expected to remain in the Awaiting Establishment

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Test Case Identifier	Test Case Reference		Description
DL50_I14	LAPD/MFO/S50/DL50_I14	0741	state (S.0). Verify that the IUT does not send a response to an REJ/F=1 response in the Awaiting Establishment state (S.0). The IUT is expected to remain in the Awaiting Establishment state (S.0).
DL50_I15	LAPD/MFO/S50/DL50_I15	0742	Verify that the IUT does not send a response to an REJ/F=0 response in the Awaiting Establishment state (S.0). The IUT is expected to remain in the Awaiting Establishment state (S.0).
DL50_I16	LAPD/MFO/S50/DL50_I16	0743	Verify that the IUT does not send a response to an RNR/P=1 command in the Awaiting Establishment state (S.0). The IUT is expected to remain in the Awaiting Establishment state (S.0).
DL50_I17	LAPD/MFO/S50/DL50_I17	0744	Verify that the IUT does not send a response to an RNR/P=0 command in the Awaiting Establishment state (S.0). The IUT is expected to remain in the Awaiting Establishment state (S.0).
DL50_I18	LAPD/MFO/S50/DL50_I18	0745	Verify that the IUT does not send a response to an RNR/F=1 response in the Awaiting Establishment state (S.0). The IUT is

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Test Case Identifier	Test Case Reference		Description
DL50_I19	LAPD/MFO/S50/DL50_I19	0746	expected to remain in the Awaiting Establishment state (5.0). Verify that the IUT does not send a response to an RNR/F=0 response in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).
DL50_I20	LAPD/MFO/S50/DL50_I20	0747	Verify that the IUT does not send a response to an I/P=1 command in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).
DL50_I21	LAPD/MFO/S50/DL50_I21	0748	Verify that the IUT does not send a response to an I/P=0 command in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).
DL51_V06	LAPD/MFO/S51/DL51_V06	0749	Verify that the IUT sends a UA/F=1 in response to SABME/P=1 in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1) after sending the correct response.
DL51_V07	LAPD/MFO/S51/DL51_V07	0750	Verify that the IUT sends a UA/F=0 in

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Test Case Identifier	Test Case Reference		Description
DL51_V08	LAPD/MFO/S51/DL51_V08	0751	response to SABME/P=0 in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1) after sending the correct response. Verify that the IUT sends a DM/F=1 in response to DISC/P=1 in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1) after sending the correct response.
DL51_V09	LAPD/MFO/S51/DL51_V09	0752	Verify that the IUT sends a DM/F=0 in response to DISC/P=0 in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1) after sending the correct response.
DL51_V10	LAPD/MFO/S51/DL51_V10	0753	Verify that the IUT does not send a response to a UA/F=1 in the Awaiting Establishment state (5.1). The IUT is expected to enter Multiple Frame Established state (7.0).
DL51_V12	LAPD/MFO/S51/DL51_V12	0754	Verify that the IUT does not send a response to DM/F=1 in the Awaiting Establishment state (5.1).

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Test Case Identifier	Test Case Reference		Description
#			1). The IUT is expected to enter TEI ASSIGNED state (4.0).
#			Verify that the IUT does not send a response to the receipt of an unsolicited DM/F=0 response frame in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).
DL51_V13	LAPD/MFO/SS1/DL51_V13	0755	Verify that after the expiry of timer T200, with N200 not exceeding the limit, the IUT sends a SABME P=1 in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).
DL51_V14	LAPD/MFO/SS1/DL51_V14	0756	Verify that the IUT does not send a response to a SABME/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).
DL51_N01	LAPD/MFO/SS1/DL51_N01	0757	Verify that the IUT does not send a response to a SABME/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).
DL51_N02	LAPD/MFO/SS1/DL51_N02	0758	Verify that the IUT does not send a response to a SABME/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).

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Test Case Identifier	Test Case Reference		Description
DL51_N03	LAPD/MFO/SS1/DL51_N03	0759	Verify that the IUT does not send a response to a UA with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).
DL51_N04	LAPD/MFO/SS1/DL51_N04	0760	Verify that the IUT does not send a response to a EMT with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).
DL51_N05	LAPD/MFO/SS1/DL51_N05	0761	Verify that the IUT does not send a response to a RNR with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).
DL51_N06	LAPD/MFO/SS1/DL51_N06	0762	Verify that the IUT does not send a response to a RNR P=1 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).
DL51_N07	LAPD/MFO/SS1/DL51_N07	0763	Verify that the IUT does not send a response to a RNR P=1 with incorrect length (too long) received in Awaiting Establishment state (5.1).

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Test Case Identifier	Test Case Reference		Description
"			Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).
"			
DL51_N08	LAPD/MFO/S51/DL51_N08	0764	Verify that the IUT does not send a response to a REJ/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).
"			
"			
DL51_N09	LAPD/MFO/S51/DL51_N09	0765	Verify that the IUT does not send a response to an I/P=1 with incorrect length (too long) (exceeding N201 octets) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).
"			
"			
DL51_N10	LAPD/MFO/S51/DL51_N10	0766	Verify that the IUT does not send a response to a frame with undefined control field received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).
"			
"			
DL51_I02	LAPD/MFO/S51/DL51_I02	0767	Verify that the IUT does not send a response to a FRMR/F=1 response in the Awaiting Establishment State. The IUT is expected to remain in the Awaiting Establishment state (5.1).
"			
"			
"			

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Test Case Identifier	Test Case Reference		Description
"			1).
DL51_I08	LAPD/MFO/S51/DL51_I08	0768	Verify that the IUT does not send a response to a RR/P=1 command in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).
"			
"			
DL51_I09	LAPD/MFO/S51/DL51_I09	0769	Verify that the IUT does not send a response to a RR/P=0 command in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).
"			
"			
DL51_I10	LAPD/MFO/S51/DL51_I10	0770	Verify that the IUT does not send a response to a RR/F=1 response in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).
"			
"			
DL51_I11	LAPD/MFO/S51/DL51_I11	0771	Verify that the IUT does not send a response to a RR/F=0 response in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).
"			
"			
DL51_I12	LAPD/MFO/S51/DL51_I12	0772	Verify that the IUT does not send a response to a REJ/P=1 command in the Awaiting Establishment state (5.1). The IUT is expected
"			
"			

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Test Case Identifier	Test Case Reference		Description
#			to remain in the
#			Awaiting Establishment
#			state (5.1).
DL51_I13	LAPD/MFO/S51/DL51_I	0773	Verify that the IUT
#	13		does not send a
#			response to a REJ/P=0
#			command in the Awaiting
#			Establishment state (5.
#			1). The IUT is expected
#			to remain in the
#			Awaiting Establishment
#			state (5.1).
DL51_I14	LAPD/MFO/S51/DL51_I	0774	Verify that the IUT
#	14		does not send a
#			response to a REJ/F=1
#			response in the
#			Awaiting Establishment
#			state (5.1). The IUT is
#			expected to remain in
#			the Awaiting
#			Establishment state (5.
#			1).
DL51_I15	LAPD/MFO/S51/DL51_I	0775	Verify that the IUT
#	15		does not send a
#			response to a REJ/F=0
#			response in the
#			Awaiting Establishment
#			state (5.1). The IUT is
#			expected to remain in
#			the Awaiting
#			Establishment state (5.
#			1).
DL51_I16	LAPD/MFO/S51/DL51_I	0776	Verify that the IUT
#	16		does not send a
#			response to a RNR/P=1
#			command in the Awaiting
#			Establishment state (5.
#			1). The IUT is expected
#			to remain in the
#			Awaiting Establishment
#			state (5.1).
DL51_I17	LAPD/MFO/S51/DL51_I	0777	Verify that the IUT
#	17		does not send a
#			response to a RNR/P=0
#			command in the Awaiting

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Test Case Identifier	Test Case Reference		Description
#			Establishment state (5.
#			1). The IUT is expected
#			to remain in the
#			Awaiting Establishment
#			state (5.1).
DL51_I18	LAPD/MFO/S51/DL51_I	0778	Verify that the IUT
#	18		does not send a
#			response to a RNR/F=1
#			response in the
#			Awaiting Establishment
#			state (5.1). The IUT is
#			expected to remain in
#			the Awaiting
#			Establishment state (5.
#			1).
DL51_I19	LAPD/MFO/S51/DL51_I	0779	Verify that the IUT
#	19		does not send a
#			response to a RNR/F=0
#			response in the
#			Awaiting Establishment
#			state (5.1). The IUT is
#			expected to remain in
#			the Awaiting
#			Establishment state (5.
#			1).
DL51_I20	LAPD/MFO/S51/DL51_I	0780	Verify that the IUT
#	20		does not send a
#			response to a I/P=1
#			command in the Awaiting
#			Establishment state (5.
#			1). The IUT is expected
#			to remain in the
#			Awaiting Establishment
#			state (5.1).
DL51_I21	LAPD/MFO/S51/DL51_I	0781	Verify that the IUT
#	21		does not send a
#			response to a I/P=0
#			command in the Awaiting
#			Establishment state (5.
#			1). The IUT is expected
#			to remain in the
#			Awaiting Establishment
#			state (5.1).
DL60_V04	LAPD/MFO/S60/DL60_V	0782	Verify that the IUT
#	04		sends a DM/F=1 in

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Test Case Identifier	Test Case Reference		Description
DL60_V05	LAPD/MFO/S60/DL60_V05	0783	response to SABME/P=1 in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0) after sending the correct response. Verify that the IUT sends a DM/F=0 in response to SABME/P=0 in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0) after sending the correct response.
DL60_V06	LAPD/MFO/S60/DL60_V06	0784	Verify that the IUT sends a UA/F=1 in response to DISC/P=1 in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0) after sending the correct response.
DL60_V07	LAPD/MFO/S60/DL60_V07	0785	Verify that the IUT sends a UA/F=0 in response to DISC/P=0 in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0) after sending the correct response.
DL60_V08	LAPD/MFO/S60/DL60_V08	0786	Verify that the IUT enters TEI Assigned state (4.0) in response to UA/F=1 received in Awaiting Release state (6.0).
DL60_V10	LAPD/MFO/S60/DL60_V	0787	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
DL60_V11	LAPD/MFO/S60/DL60_V11	0788	enters TEI Assigned state (4.0) in response to DM/F=1 received in Awaiting Release state (6.0). Verify that the IUT ignores the receipt of an unsolicited DM/F=0 in Awaiting Release state (6.0). The IUT remains in the Awaiting Release state (6.0).
DL60_V12	LAPD/MFO/S60/DL60_V12	0789	Verify that after expiry of timer T200, in Awaiting Release state (6.0), with N200 not exceeding the limit, the IUT sends a DISC/P=1. The IUT is expected to remain in the Awaiting Release state (6.0).
DL60_N01	LAPD/MFO/S60/DL60_N01	0790	Verify that the IUT does not send a response to a SABME/P=1 with incorrect length (too long) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).
DL60_N02	LAPD/MFO/S60/DL60_N02	0791	Verify that the IUT does not send a response to a DISC/P=1 with incorrect length (too long) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).
DL60_N03	LAPD/MFO/S60/DL60_N03	0792	Verify that the IUT does not send a response to a UA/F=0

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Test Case Identifier	Test Case Reference	Description
DL60_N04	LAPD/MFO/S6C/DL60_N04	0793
DL60_N05	LAPD/MFO/S6C/DL60_N05	0794
DL60_N06	LAPD/MFO/S6C/DL60_N06	0795
DL60_N07	LAPD/MFO/S6C/DL60_N07	0796

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DL60_N08	LAPD/MFO/S6C/DL60_N08	0797
DL60_N09	LAPD/MFO/S6C/DL60_N09	0798
DL60_N10	LAPD/MFO/S6C/DL60_N10	0799
DL60_N11	LAPD/MFO/S6C/DL60_N11	0800
DL60_N12	LAPD/MFO/S6C/DL60_N12	0801
DL60_N13	LAPD/MFO/S6C/DL60_N13	0802

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Test Case Identifier	Test Case Reference		Description
DL60_I03	LAPD/MFO/S60/DL60_I03	0802	response in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0). Verify that the IUT does not send a response to a FRMR/F=1 (rejecting a DM) in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).
DL60_I04	LAPD/MFO/S60/DL60_I04	0803	Verify that the IUT does not send a response to a FRMR/F=1 (rejecting an I frame) in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).
DL60_I05	LAPD/MFO/S60/DL60_I05	0804	Verify that the IUT does not send a response to a FRMR/F=1 (rejecting a Supervisory frame) in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).
DL60_I08	LAPD/MFO/S60/DL60_I08	0805	Verify that the IUT does not send a response to an RR/P=1 command in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).
DL60_I09	LAPD/MFO/S60/DL60_I09	0806	Verify that the IUT does not send a response to an RR/P=0

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Test Case Identifier	Test Case Reference		Description
DL60_I10	LAPD/MFO/S60/DL60_I10	0807	command in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0). Verify that the IUT does not send a response to an RR/F=1 response in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).
DL60_I11	LAPD/MFO/S60/DL60_I11	0808	Verify that the IUT does not send a response to an RR/F=0 response in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).
DL60_I12	LAPD/MFO/S60/DL60_I12	0809	Verify that the IUT does not send a response to a REJ/P=1 command in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).
DL60_I13	LAPD/MFO/S60/DL60_I13	0810	Verify that the IUT does not send a response to a REJ/P=0 command in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).
DL60_I14	LAPD/MFO/S60/DL60_I14	0811	Verify that the IUT does not send a response to a REJ/F=1 response in the Awaiting Release state (6.0). The IUT is

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Test Case Identifier	Test Case Reference		Description
DL70_V08	LAPD/MFO/S70/DL70_V08	0822	Established state after sending no response. Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending the UA/F=1.
DL70_V10	LAPD/MFO/S70/DL70_V10	0823	Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending UA/F=0.
DL70_V12	LAPD/MFO/S70/DL70_V12	0824	Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.0). The IUT is expected to enter TEI Assigned state after sending UA/F=1.
DL70_V13	LAPD/MFO/S70/DL70_V13	0825	Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Multiple Frame Established state (7.0). The IUT is expected to enter TEI Assigned state after send UA/F=0.
DL70_V14	LAPD/MFO/S70/DL70_V14	0826	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.0).

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Test Case Identifier	Test Case Reference		Description
DL70_V16	LAPD/MFO/S70/DL70_V16	0827	. The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1. Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state.
DL70_V17	LAPD/MFO/S70/DL70_V17	0828	Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL70_V20	LAPD/MFO/S70/DL70_V20	0829	Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL70_V21	LAPD/MFO/S70/DL70_V21	0830	Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending no response.

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Test Case Identifier	Test Case Reference		Description
DL70_V23 # # # # # # # DL70_V24 # # # # # # # DL70_V25 # # # # # # # DL70_V26 # # # # # # # #	LAPD/MFO/S70/DL70_V 23 LAPD/MFO/S70/DL70_V 24 LAPD/MFO/S70/DL70_V 25 LAPD/MFO/S70/DL70_V 26 	0831 0832 0833 0834 	Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after send no response. Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)<N(R) <V(S) received in Multiple Frame Established state (7.0) . The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1. Verify that the IUT retransmits an I frame or sends an RR/P=1 in response to an RR/P=0 command with V(A)<N(R) <V(S) received in Multiple Frame Established state (7.0) . The IUT is expected to remain in Multiple Frame Established state after sending I. Verify that the IUT retransmits an I frame or sends an RR/P=1 in response to an RR/F=0 command with V(A)<N(R) <V(S) received in Multiple Frame Established state (7.0) . The IUT is expected to remain in Multiple Frame Established state after sending I frame.

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Test Case Identifier	Test Case Reference		Description
DL70_V27 # # # # # # # DL70_V28 # # # # # # # DL70_V29 # # # # # # # DL70_V30 # # # # # # # #	LAPD/MFO/S70/DL70_V 27 LAPD/MFO/S70/DL70_V 28 LAPD/MFO/S70/DL70_V 29 LAPD/MFO/S70/DL70_V 30 	0835 0836 0837 0838 	Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)=N(R) <V(S) received in Multiple Frame Established state (7.0) . The IUT is expected to remain in Multiple Frame Established state after sending the I frame. Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V (A)=N(R)<V(S) received in Multiple Frame Established state (7.0) . The IUT is expected to remain in Multiple Frame Established state after send I frame. Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V (A)=N(R)<V(S) received in Multiple Frame Established state (7.0) . The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT sends an RR/F=1 response in response to a REJ/P=1 command received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.

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Test Case Identifier	Test Case Reference		Description
DL70_V31	LAPD/MFO/S70/DL70_V31	0839	Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state.
DL70_V32	LAPD/MFO/S70/DL70_V32	0840	Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state.
DL70_V33	LAPD/MFO/S70/DL70_V33	0841	Verify that the IUT sends an RR/F=1 and retransmits an I frame in response to an REJ/P=1 command with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL70_V34	LAPD/MFO/S70/DL70_V34	0842	Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL70_V35	LAPD/MFO/S70/DL70_V35	0843	Verify that the IUT retransmits an I frame in response to an

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Test Case Identifier	Test Case Reference		Description
DL70_V36	LAPD/MFO/S70/DL70_V36	0844	Verify that the IUT sends a RR/F=1 in response to an RNR/P=1 received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Peer Busy state after send RR/F=1.
DL70_V37	LAPD/MFO/S70/DL70_V37	0845	Verify that the IUT sends nothing in response to an RNR/P=0 received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Peer Busy state.
DL70_V39	LAPD/MFO/S70/DL70_V39	0846	Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Peer Busy state.
DL70_V40	LAPD/MFO/S70/DL70_V40	0847	Verify that the IUT sends a RR/F=1 in response to an RNR/P=1 with V(A) <= N(R) < V(S) received in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
DL70_V50	LAPD/MFO/S70/DL70_V50	0856	to remain in Multiple Frame Established state after sending RR/F=0. Verify that the IUT sends a REJ/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Reject Recovery state after sending REJ/F=1.
DL70_V51	LAPD/MFO/S70/DL70_V51	0857	Verify that the IUT sends a REJ/F=0 in response to an I/P=0 frame with V(A)<N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Reject Recovery state after sending REJ/F=0.
DL70_V52	LAPD/MFO/S70/DL70_V52	0858	Verify that the IUT sends a RR/F=1 in response to an I frame with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL70_V53	LAPD/MFO/S70/DL70_V53	0859	Verify that the IUT sends a RR/F=0 or an I/F=0 in response to an I/P=0 received with V(A)=N(R)<V(S) in

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Test Case Identifier	Test Case Reference		Description
DL70_V54	LAPD/MFO/S70/DL70_V54	0860	Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0 or I/F=0. Verify that the IUT sends a REJ/F=1 in response to an I/P=1 frame with V(A)=N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Reject Recovery state after sending REJ/F=1.
DL70_V55	LAPD/MFO/S70/DL70_V55	0861	Verify that the IUT sends a REJ/F=0 in response to an I/P=0 frame with V(A)=N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Reject Recovery state after sending REJ/F=0.
DL70_V56	LAPD/MFO/S70/DL70_V56	0862	Verify that the IUT sends an RR/P=1 or I/P=1 after a T200 timeout in Multiple Frame Established state (7.0). The IUT is expected to enter Timer Recovery state after sending RR/P=1 or I/P=1.
DL70_V57	LAPD/MFO/S70/DL70_V57	0863	Verify that the IUT sends an RR/P=1 after a

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Test Case Identifier	Test Case Reference		Description
#			T203 timeout occurs in
#			Multiple Frame
#			Established state. The
#			IUT is expected to
#			enter Timer Recovery
#			state after sending
#			RR/P=1.
DL70_V58	LAPD/MFO/S70/DL70_V	0864	Verify that the IUT
#	38		sends an RNR/F=0 when
#			it sets OWN BUSY in
#			Multiple Frame
#			Established state (7.0)
#			. The IUT is expected
#			to enter Multiple Frame
#			Established Own Busy
#			state after sending
#			RNR/F=0.
DL70_N01	LAPD/MFO/S70/DL70_N	0865	Verify that the IUT
#	01		sends an RR/F=1 and
#			then sends a SABME/P=1
#			in response to an
#			RR/P=1 command with N
#			(R) error received in
#			Multiple Frame
#			Established state (7.0)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
#			SABME/P=1.
DL70_N02	LAPD/MFO/S70/DL70_N	0866	Verify that the IUT
#	02		sends a SABME/P=1 in
#			response to an RR/P=0
#			command with an N(R)
#			error received in
#			Multiple frame
#			Established state (7.0)
#			. The IUT is expected
#			to enter Awaiting
#			establishment state
#			after sending
#			SABME P=1.
DL70_N03	LAPD/MFO/S70/DL70_N	0867	Verify that the IUT
#	03		sends a SABME/P=1 in
#			response to an RR/F=1

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Test Case Identifier	Test Case Reference		Description
#			response with an N(R)
#			error received in
#			Multiple Frame
#			Established state (7.0)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
#			SABME P=1.
DL70_N04	LAPD/MFO/S70/DL70_N	0868	Verify that the IUT
#	04		sends a SABME/P=1 in
#			response to an RR/F=0
#			with an N(R) error
#			received in Multiple
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME P=1.
DL70_N05	LAPD/MFO/S70/DL70_N	0869	Verify that the IUT
#	05		sends an RR/F=1 and a
#			SABME/P=1 in response
#			to a REJ/P=1 command
#			with a N(R) error
#			received in Multiple
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME P=1.
DL70_N06	LAPD/MFO/S70/DL70_N	0870	Verify that the IUT
#	06		sends a SABME/P=1 in
#			response to a REJ/P=0
#			command with an N(R)
#			error received in
#			Multiple Frame
#			Established state (7.0)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
#			SABME/F=1.
DL70_N07	LAPD/MFO/S70/DL70_N	0871	Verify that the IUT

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Test Case Identifier	Test Case Reference	Description
DL70_N08	LAPD/MFO/S70/DL70_N08	0872
DL70_N09	LAPD/MFO/S70/DL70_N09	0873
DL70_N10	LAPD/MFO/S70/DL70_N10	0874

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Test Case Identifier	Test Case Reference	Description
DL70_N11	LAPD/MFO/S70/DL70_N11	0875
DL70_N12	LAPD/MFO/S70/DL70_N12	0876
DL70_N13	LAPD/MFO/S70/DL70_N13	0877
DL70_N14	LAPD/MFO/S70/DL70_N14	0878

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Test Case Identifier	Test Case Reference		Description
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL70_N15	LAPD/MFO/S70/DL70_N	0879	SABME/P=1.
#	15		Verify that the IUT
#			sends a REJ/F=1 and
#			sends a SABME/P=1 in
#			response to an I/P=1
#			with an N(R) error and
#			N(S)=V(R) received in
#			Multiple Frame
#			Established state (7.0)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
#			SABME/P=1.
DL70_N16	LAPD/MFO/S70/DL70_N	0880	Verify that the IUT
#	16		sends a REJ/F=0 and a
#			SABME/P=1 in response
#			to an I/P=0 with an N
#			(R) error and N(S)=V
#			(R) received in
#			Multiple Frame
#			Established state (7.0)
#			. The IUT is expected
#			to Awaiting Establishme
#			nt state after sending
#			SABME/P=1.
DL70_N17	LAPD/MFO/S70/DL70_N	0881	Verify that the IUT
#	17		sends a SABME/P=1 in
#			response to a SABME of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL70_N18	LAPD/MFO/S70/DL70_N	0882	Verify that the IUT
#	18		sends a SABME/P=1 in
#			response to a DISC of
#			incorrect length
#			received in Multiple

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Test Case Identifier	Test Case Reference		Description
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL70_N19	LAPD/MFO/S70/DL70_N	0883	SABME/P=1.
#	19		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a UA of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL70_N20	LAPD/MFO/S70/DL70_N	0884	Verify that the IUT
#	20		sends a SABME/P=1 in
#			response to a DM of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL70_N21	LAPD/MFO/S70/DL70_N	0885	Verify that the IUT
#	21		sends a SABME/P=1 in
#			response to a FRMR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL70_N22	LAPD/MFO/S70/DL70_N	0886	Verify that the IUT
#	22		sends a SABME/P=1 in
#			response to an RR of
#			incorrect length
#			received in Multiple
#			Frame Established state

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Test Case Identifier	Test Case Reference		Description
"			(7.0). The IUT is
"			expected to enter
"			Awaiting Establishment
"			state after sending
DL70_N23	LAPD/MFO/S70/DL70_N	0887	SABME/P=1.
"	23		Verify that the IUT
"			sends a SABME/P=1 in
"			response to an RNR of
"			incorrect length
"			received in Multiple
"			Frame Established state
"			(7.0). the IUT is
"			expected to enter
"			Awaiting Establishment
"			state after sending
DL70_N24	LAPD/MFO/S70/DL70_N	0888	SABME/P=1.
"	24		Verify that the IUT
"			sends a SABME/P=1 in
"			response to a REJ of
"			incorrect length
"			received in Multiple
"			Frame Established state
"			(7.0). The IUT is
"			expected to enter
"			Awaiting Establishment
"			state after sending
DL70_N25	LAPD/MFO/S70/DL70_N	0889	SABME/P=1.
"	25		Verify that the IUT
"			sends a SABME/P=1 in
"			response to an I frame
"			with excess length
"			(N201 error) received
"			in Multiple Frame
"			Established state (7.0)
"			. The IUT is expected
"			to enter Awaiting
"			Establishment state
"			after sending
DL70_N26	LAPD/MFO/S70/DL70_N	0890	SABME/P=1.
"	26		Verify that the IUT
"			sends a SABME/P=1 in
"			response to an
"			undefined command
"			received in Multiple
"			Frame Established state

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Test Case Identifier	Test Case Reference		Description
"			(7.0). The IUT is
"			expected to enter
"			Awaiting Establishment
"			state after sending
DL70_N27	LAPD/MFO/S70/DL70_N	0891	SABME/P=1.
"	27		Verify that the IUT
"			sends a SABME/P=1 in
"			response to a frame
"			with an invalid I field
"			received in Multiple
"			Frame Established state
"			(7.0). The IUT is
"			expected to enter
"			Awaiting Establishment
"			state after sending
DL70_I01	LAPD/MFO/S70/DL70_I	0892	SABME/P=1.
"	01		Verify that the IUT
"			does not respond to an
"			RR/F=1 response
"			received in Multiple
"			Frame Established state
"			(7.0). The IUT is
"			expected to remain in
"			Multiple Frame
"			Established state after
"			sending no response.
DL70_I02	LAPD/MFO/S70/DL70_I	0893	Verify that the IUT
"	02		retransmits an I frame
"			in response to an
"			RR/F=1 response with V
"			(A)<N(R)<V(S) received
"			in Multiple Frame
"			Established state (7.0)
"			. The IUT is expected
"			to remain in Multiple
"			Frame Established state
"			after sending I frame.
DL70_I03	LAPD/MFO/S70/DL70_I	0894	Verify that the IUT
"	03		retransmits an I frame
"			in response to an
"			RR/F=1 response with V
"			(A)=N(R)<V(S) received
"			in Multiple frame
"			Established state (7.0)
"			. The IUT is expected

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Test Case Identifier	Test Case Reference		Description
# # DL70_I04 # # # # # # DL70_I05 # # # # # # DL70_I06 # # # # # # DL70_I07 # # # # # # # DL71_V01	LAPD/MFO/S70/DL70_I04 LAPD/MFO/S70/DL70_I05 LAPD/MFO/S70/DL70_I06 LAPD/MFO/S70/DL70_I07 LAPD/MFO/S70/DL71_V01	0895 0896 0897 0898 0899	to remain in Multiple Frame Established state after sending I frame. Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state. Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)≤N(R)<V(S) received in Multiple Frame Established state. The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT sends nothing in response to an RNR/F=1 response received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Peer Busy state. Verify that the IUT sends nothing in response to an RNR/F=1 response with V(A)≤N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Peer Busy state. Verify that the IUT can

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Test Case Identifier	Test Case Reference		Description
# # # # # # DL71_V03 # # # # # # DL71_V04 # # # # # # # DL71_V08 # # # # # # DL71_V10 # # # #	01 LAPD/MFO/S71/DL71_V03 LAPD/MFO/S71/DL71_V04 LAPD/MFO/S71/DL71_V08 LAPD/MFO/S71/DL71_V10	 0900 0901 0902 0903	send a SABME/P=1 in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends an I frame when V(S)<V(A)+k (ie. window is open) in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending an I frame. Verify that the IUT does not send an I frame (queue0) when V(S)=V(A)+k (window is closed) in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending no response. Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending the UA/F=1. Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state (7.1). The IUT is

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Test Case Identifier	Test Case Reference		Description
DL71_V12	LAPD/MFO/S71/DL71_V12	0904	expected to remain in Multiple Frame Established state after sending UA/F=0. Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.1). The IUT is expected to enter TEI Assigned state after sending UA/F=1.
DL71_V13	LAPD/MFO/S71/DL71_V13	0905	Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Multiple Frame Established state (7.1). The IUT is expected to enter TEI Assigned state after send UA/F=0.
DL71_V14	LAPD/MFO/S71/DL71_V14	0906	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1.
DL71_V16	LAPD/MFO/S71/DL71_V16	0907	Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state.
DL71_V17	LAPD/MFO/S71/DL71_V17	0908	Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in

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Test Case Identifier	Test Case Reference		Description
DL71_V19	LAPD/MFO/S71/DL71_V19	0909	Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL71_V20	LAPD/MFO/S71/DL71_V20	0910	Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending no response.
DL71_V23	LAPD/MFO/S71/DL71_V23	0911	Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending no response.
DL71_V24	LAPD/MFO/S71/DL71_V24	0912	Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected

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Test Case Identifier	Test Case Reference	Description
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DL71_V25	LAPD/MFO/S71/DL71_V 25	0913
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DL71_V26	LAPD/MFO/S71/DL71_V 26	0914
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DL71_V27	LAPD/MFO/S71/DL71_V 27	0915
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DL71_V28	LAPD/MFO/S71/DL71_V 28	0916
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Test Case Identifier	Test Case Reference	Description
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DL71_V29	LAPD/MFO/S71/DL71_V 29	0917
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DL71_V30	LAPD/MFO/S71/DL71_V 30	0918
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DL71_V31	LAPD/MFO/S71/DL71_V 31	0919
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DL71_V32	LAPD/MFO/S71/DL71_V 32	0920
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#		
DL71_V33	LAPD/MFO/S71/DL71_V 33	0921
#		

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Test Case Identifier	Test Case Reference		Description
DL71_V34	LAPD/MFO/S71/DL71_V34	0922	retransmits an I frame in response to an REJ/P=1 command with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT retransmits an I frame in response to an REJ/F=0 response with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I Frame. Verify that the IUT sends a RR/F=1 in response to an RNR/P=1 received in Multiple Frame Established state (7.1). The IUT is expected to enter Multiple Frame Established Peer Busy state after sending RR/F=1.
DL71_V35	LAPD/MFO/S71/DL71_V35	0923	Verify the the IUT sends nothing in
DL71_V36	LAPD/MFO/S71/DL71_V36	0924	
DL71_V37	LAPD/MFO/S71/DL71_V37	0925	

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Test Case Identifier	Test Case Reference		Description
DL71_V39	LAPD/MFO/S71/DL71_V39	0926	response to an RNR/P=0 received in Multiple Frame Established state (7.1). The IUT is expected to enter Multiple Frame Established Peer Busy state. Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.1). the IUT is expected to enter Multiple Frame Established Peer Busy state.
DL71_V40	LAPD/MFO/S71/DL71_V40	0927	Verify that the IUT sends an RR/F=1 in response to an RNR/P=1 with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.1). The IUT is expected to enter Multiple Frame Established Peer Busy state after send RR/F=1.
DL71_V41	LAPD/MFO/S71/DL71_V41	0928	Verify the the IUT sends nothing in response to an RNR/P=0 with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.1). The IUT is expected to enter Multiple Frame Established Peer Busy state.
DL71_V43	LAPD/MFO/S71/DL71_V43	0929	Verify that the IUT does not respond to an RNR/F=0 response with V(A) <= N(R) < V(S) received

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Test Case Identifier	Test Case Reference		Description
"			Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established Reject Recovery state.
DL71_V52	LAPD/MFO/S71/DL71_V52	0938	Verify that the IUT sends a RR/F=1 in response to an I frame with $V(A)=N(R)<V(S)$ received in Multiple Frame Established state (7.1). The IUT is expected to enter Multiple Frame Established state after sending RR/F=1.
DL71_V53	LAPD/MFO/S71/DL71_V53	0939	Verify that the IUT sends a RR/F=0 or an I/F=0 in response to an I/P=0 received with $V(A)=N(R)<V(S)$ in Multiple Frame Established state (7.1). The IUT is expected to enter in Multiple Frame Established state after sending RR/F=0 or I/F=0.
DL71_V54	LAPD/MFO/S71/DL71_V54	0940	Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with $V(A)=N(R)<V(S)$ and $N(S)<V(R)$ received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established Reject Recovery state after sending RR/F=1.
DL71_V55	LAPD/MFO/S71/DL71_V55	0941	Verify that the IUT sends nothing in response to an I/P=0

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Test Case Identifier	Test Case Reference		Description
"			frame with $V(A)=N(R)<V(S)$ and $N(S)<V(R)$ received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established Reject Recovery state.
DL71_V56	LAPD/MFO/S71/DL71_V56	0942	Verify that the IUT sends an RR/P=1 or I/P=1 after a T200 timeout in Multiple Frame Established state (7.1). The IUT is expected to enter Timer Recovery state after sending RR/P=1 or I/P=1.
DL71_V57	LAPD/MFO/S71/DL71_V57	0943	Verify that the IUT sends an RR/P=1 after a T203 timeout occurs in Multiple Frame Established state (7.1). The IUT is expected to enter Timer Recovery state after sending RR/P=1.
DL71_V58	LAPD/MFO/S71/DL71_V58	0944	Verify that the IUT sends an RNR/F=0 when it sets OWN BUSY in Multiple Frame Established state (7.1). The IUT is expected to enter Multiple Frame Established Own Busy state after sending RNR/F=0.
DL71_N01	LAPD/MFO/S71/DL71_N01	0945	Verify that the IUT sends an RR/F=1 and then sends a SABME/P=1 in response to an RR/P=1 command with N(R) error received in Multiple Frame

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Test Case Identifier	Test Case Reference		Description
#			Established state (7.1)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
DL71_N02	LAPD/MFO/S71/DL71_N	0946	SABME/P=1.
#	02		Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RR/P=0
#			command with an N(R)
#			error received in
#			Multiple frame
#			Established state (7.1)
#			. The IUT is expected
#			to enter Awaiting
#			establishment state
#			after sending
DL71_N03	LAPD/MFO/S71/DL71_N	0947	SABME/P=1.
#	03		Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RR/F=1
#			response with an N(R)
#			error received in
#			Multiple Frame
#			Established state (7.1)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
DL71_N04	LAPD/MFO/S71/DL71_N	0948	SABME/P=1.
#	04		Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RR/F=0
#			with an N(R) error
#			received in Multiple
#			Frame Established state
#			(7.1). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL71_N05	LAPD/MFO/S71/DL71_N	0949	SABME/P=1.
#	05		Verify that the IUT
#			sends an RR/F=1 and a
#			SABME/P=1 in response
#			to a REJ/P=1 command

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Test Case Identifier	Test Case Reference		Description
#			with a N(R) error
#			received in Multiple
#			Frame Established state
#			(7.1). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL71_N06	LAPD/MFO/S71/DL71_N	0950	SABME/P=1.
#	06		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ/P=0
#			command with an N(R)
#			error received in
#			Multiple Frame
#			Established state (7.1)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
DL71_N07	LAPD/MFO/S71/DL71_N	0951	SABME/F=1.
#	07		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ/F=1
#			Response with an N(R)
#			error received in
#			Multiple Frame
#			Established state (7.1)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
DL71_N08	LAPD/MFO/S71/DL71_N	0952	SABME/P=1.
#	08		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ/F=0
#			Response with an N(R)
#			error received in
#			Multiple Frame
#			Established state (7.1)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
DL71_N09	LAPD/MFO/S71/DL71_N	0953	SABME/P=1.
#			Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
"	09		sends an RR/F=1 and a SABME/P=1 in response to an RNR/P=1 command with a N(R) error received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL71_N10	LAPD/MFO/S71/DL71_N10	0954	Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending a SABME/P=1.
DL71_N11	LAPD/MFO/S71/DL71_N11	0955	Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL71_N12	LAPD/MFO/S71/DL71_N12	0956	Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state

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Test Case Identifier	Test Case Reference		Description
DL71_N13	LAPD/MFO/S71/DL71_N13	0957	after sending SABME/P=1. Verify that the IUT sends an RR/F=1 and a SABME/P=1 in response to an I/P=1 frame with an N(R) error received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL71_N14	LAPD/MFO/S71/DL71_N14	0958	Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL71_N15	LAPD/MFO/S71/DL71_N15	0959	Verify that the IUT sends an RR/F=1 and sends a SABME/P=1 in response to an I/P=1 with an N(R) error and N(S)~=V(R) received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL71_N16	LAPD/MFO/S71/DL71_N16	0960	Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error and N(S)~=V(R) received in Multiple Frame Established state (7.1)

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Test Case Identifier	Test Case Reference		Description
#			. The IUT is expected
#			to Awaiting Establishme
#			nt state after sending
DL71_N17	LAPD/MFO/S71/DL71_N	0961	SABME/P=1.
#	17		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a SABME of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.1). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL71_N18	LAPD/MFO/S71/DL71_N	0962	SABME/P=1.
#	18		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a DISC of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.1). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL71_N19	LAPD/MFO/S71/DL71_N	0963	SABME/P=1.
#	19		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a UA of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.1). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL71_N20	LAPD/MFO/S71/DL71_N	0964	SABME/P=1.
#	20		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a DM of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.1). The IUT is
#			expected to enter

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LAPD Conformance Testing

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Test Case Identifier	Test Case Reference		Description
#			Awaiting Establishment
#			state after sending
DL71_N21	LAPD/MFO/S71/DL71_N	0965	SABME/P=1.
#	21		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a FRMR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.1). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL71_N22	LAPD/MFO/S71/DL71_N	0966	SABME/P=1.
#	22		Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.1). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL71_N23	LAPD/MFO/S71/DL71_N	0967	SABME/P=1.
#	23		Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RNR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.1). the IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL71_N24	LAPD/MFO/S71/DL71_N	0968	SABME/P=1.
#	24		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.1). The IUT is
#			expected to enter
#			Awaiting Establishment

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Test Case Identifier	Test Case Reference		Description
DL71_N25	LAPD/MFO/S71/DL71_N25	0969	state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL71_N26	LAPD/MFO/S71/DL71_N26	0970	Verify that the IUT sends a SABME/P=1 in response to an undefined command received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL71_N27	LAPD/MFO/S71/DL71_N27	0971	Verify that the IUT sends a SABME/P=1 in response to a frame with an invalid I field received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL71_I01	LAPD/MFO/S71/DL71_I01	0972	Verify that the IUT does not respond to an RR/F=1 response received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after

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Test Case Identifier	Test Case Reference		Description
DL71_I02	LAPD/MFO/S71/DL71_I02	0973	sending no response. Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL71_I03	LAPD/MFO/S71/DL71_I03	0974	Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL71_I04	LAPD/MFO/S71/DL71_I04	0975	Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state.
DL71_I05	LAPD/MFO/S71/DL71_I05	0976	Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL71_I06	LAPD/MFO/S71/DL71_I06	0977	Verify that the IUT sends nothing in

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Test Case Identifier	Test Case Reference	Description
#		response to an RNR/F=1
#		response received in
#		Multiple Frame
#		Established state (7.1)
#		. The IUT is expected
#		to enter Multiple Frame
#		Established Peer Busy
#		state.
DL71_I07	LAPD/MFC/S71/07	9978
#		Verify that the IUT
#		sends nothing in
#		response to an RNR/F=1
#		response with $V(A) \leq N$
#		$R \leq V(S)$ received in
#		Multiple Frame
#		Established state (7.1)
#		. The IUT is expected
#		to enter Multiple Frame
#		Established Peer Busy
#		state.
DL72_V01	LAPD/MFC/S72/01	9979
#		Verify that the IUT can
#		send a SABME/P=1 in
#		Multiple Frame
#		Established state (7.2)
#		. The IUT is expected
#		to enter Awaiting
#		establishment state
#		after sending
#		SABME/P=1.
DL72_V03	LAPD/MFC/S72/03	9980
#		Verify that the IUT
#		sends an I frame when V
#		$N < V(A) + 1$ (i.e. window
#		is open) in Multiple
#		Frame Established state
#		(7.2). The IUT is
#		expected to remain in
#		Multiple Frame
#		Established state after
#		receiving an I frame.
DL72_V04	LAPD/MFC/S72/04	9981
#		Verify that the IUT
#		sends an I frame when V
#		$N = V(A) + 1$ (window is
#		closed) in Multiple
#		Frame Established state
#		(7.2). The IUT is

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Test Case Identifier	Test Case Reference	Description
#		response to an RNR/F=1
#		response received in
#		Multiple Frame
#		Established state after
#		receiving an I frame.
DL72_V08	LAPD/MFC/S72/08	9982
#		Verify that the IUT
#		sends a UA/F=1 in
#		response to a SABME/P=1
#		received in Multiple
#		Frame Established state
#		(7.2). The IUT is
#		expected to remain in
#		Multiple Frame
#		Established state after
#		receiving a UA/F=1.
DL72_V10	LAPD/MFC/S72/10	9983
#		Verify that the IUT
#		sends a UA/F=1 in
#		response to a SABME/P=1
#		received in Multiple
#		Frame Established state
#		(7.2). The IUT is
#		expected to remain in
#		Multiple Frame
#		Established state after
#		receiving a UA/F=0.
DL72_V12	LAPD/MFC/S72/12	9984
#		Verify that the IUT
#		sends a UA/F=1 in
#		response to a DISC/P=1
#		received in Multiple
#		Frame Established state
#		(7.2). The IUT is
#		expected to enter TEI
#		Assigned state after
#		receiving a UA/F=1.
DL72_V13	LAPD/MFC/S72/13	9985
#		Verify that the IUT
#		sends a UA/F=0 in
#		response to a DISC/P=0
#		received in Multiple
#		Frame Established state
#		(7.2). The IUT is
#		expected to enter TEI
#		Assigned state after
#		receiving a UA/F=0.
DL72_V14	LAPD/MFC/S72/14	9986
#		Verify that the IUT
#		sends a SABME/P=1 in
#		response to a DM/F=0 in

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Test Case Identifier	Test Case Reference		Description
DL72_V16	LAPD/MFO/S72/DL72_V16	0987	Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1. Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state.
DL72_V17	LAPD/MFO/S72/DL72_V17	0988	Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL72_V20	LAPD/MFO/S72/DL72_V20	0989	Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.
DL72_V21	LAPD/MFO/S72/DL72_V21	0990	Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
DL72_V23	LAPD/MFO/S72/DL72_V23	0991	after sending no response. Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after send no response.
DL72_V24	LAPD/MFO/S72/DL72_V24	0992	Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL72_V25	LAPD/MFO/S72/DL72_V25	0993	Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I.
DL72_V26	LAPD/MFO/S72/DL72_V26	0994	Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I frame.

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Test Case Identifier	Test Case Reference		Description
DL72_V27 # # # # # # # # # # DL72_V28 # # # # # # # # # # DL72_V29 # # # # # # # # # # DL72_V30 # # # # # # # # # # #	LAPD/MFO/S72/DL72_V 27 LAPD/MFO/S72/DL72_V 28 LAPD/MFO/S72/DL72_V 29 LAPD/MFO/S72/DL72_V 30 	0995 0996 0997 0998 	Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command with V(A)=N(R) <V(S) received in Multiple Frame Established state (7.2) . The IUT is expected to remain in Multiple Frame Established state after sending the I frame. Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V (A)=N(R)<V(S) received in Multiple Frame Established state (7.2) . The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V (A)=N(R)<V(S) received in Multiple Frame Established state (7.2) . The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT sends an RNR/F=1 response in response to a REJ/P=1 command received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.

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Test Case Identifier	Test Case Reference		Description
DL72_V31 # # # # # # # # # # DL72_V32 # # # # # # # # # # DL72_V33 # # # # # # # # # # DL72_V34 # # # # # # # # # # DL72_V35 # # # # # # # # # # #	LAPD/MFO/S72/DL72_V 31 LAPD/MFO/S72/DL72_V 32 LAPD/MFO/S72/DL72_V 33 LAPD/MFO/S72/DL72_V 34 LAPD/MFO/S72/DL72_V 35 	0999 1000 1001 1002 1003 	Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.2) . The IUT is expected to remain in Multiple Frame Established state. Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state. Verify that the IUT sends an RNR/F=1 and retransmits an I frame in response to an REJ/P=1 command with V (A)<=N(R)<V(S) received in Multiple Frame Established state (7.2) . The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V (A)<=N(R)<V(S) received in Multiple Frame Established state (7.2) . The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT retransmits an I frame in response to an

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Test Case Identifier	Test Case Reference		Description
DL72_V36	LAPD/MFO/S72/DL72_V36	1004	REJ/F=0 response with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I Frame. Verify that the IUT sends a RNR/F=1 in response to an RNR/P=1 received in Multiple Frame Established state (7.2). The IUT is expected to enter Multiple Frame Established Peer Busy state after send RR/F=1.
DL72_V37	LAPD/MFO/S72/DL72_V37	1005	Verify the the IUT sends nothing in response to an RNR/P=0 received in Multiple Frame Established state (7.2). The IUT is expected to enter Multiple Frame Established Peer Busy state.
DL72_V39	LAPD/MFO/S72/DL72_V39	1006	Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.2). the IUT is expected to enter Multiple Frame Established Peer Busy state.
DL72_V40	LAPD/MFO/S72/DL72_V40	1007	Verify that the IUT sends an RNR/F=1 in response to an RNR/P=1 with V(A) <= N(R) < V(S) received in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
DL72_V41	LAPD/MFO/S72/DL72_V41	1008	(7.2). The IUT is expected to enter Multiple Frame Established Peer Busy state after send RNR/F=1. Verify the the IUT sends nothing in response to an RNR/P=0 with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.2). The IUT is expected to enter Multiple Frame Established Peer Busy state.
DL72_V43	LAPD/MFO/S72/DL72_V43	1009	Verify that the IUT does not respond to an RNR/F=0 response with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.2). the IUT is expected to enter Multiple Frame Established Peer Busy state.
DL72_V44	LAPD/MFO/S72/DL72_V44	1010	Verify that the IUT sends an RNR/F=1 in response to an I frame received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.
DL72_V45	LAPD/MFO/S72/DL72_V45	1011	Verify that the IUT sends nothing in response to an I/P=0 received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame

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Test Case Identifier	Test Case Reference		Description
# DL72_V46 # # # # # # # # # DL72_V47 # # # # # # # # # DL72_V48 # # # # # # # # # DL72_V49 # # # # # # # # #	LAPD/MFO/S72/DL72_V 46 LAPD/MFO/S72/DL72_V 47 LAPD/MFO/S72/DL72_V 48 LAPD/MFO/S72/DL72_V 49 	1012 1013 1014 1015 	Established state. Verify that the IUT sends an RNR/F=1 in response to an I/P=1 with N(S)<>V(R) received in Multiple Frame Established state (7.2). The IUT is expected to remain Multiple Frame Established state after sending RNR/F=1. Verify that the IUT sends nothing in response to an I/P=0 with N(S)<>V(R) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Reject state. Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V (S) received in Multiple Frame Established state (7.2) . The IUT is expected to remain in Multiple Frame Established Own Busy state after sending RNR/F=1. Verify that the IUT sends nothing in response to an I/P=0 received with V(A)<N(R) <V(S) in Multiple Frame Established state (7.2) . The IUT is expected to remain in Multiple Frame Established Own Busy state.

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Test Case Identifier	Test Case Reference		Description
DL72_V50 # # # # # # # # # # DL72_V51 # # # # # # # # # # DL72_V52 # # # # # # # # # # DL72_V53 # # # # #	LAPD/MFO/S72/DL72_V 50 LAPD/MFO/S72/DL72_V 51 LAPD/MFO/S72/DL72_V 52 LAPD/MFO/S72/DL72_V 53 	1016 1017 1018 1019 	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V (S) and N(S)<>V(R) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state after sending RNR/F=1. Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)<N(R)<V (S) and N(S)<>V(R) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state. Verify that the IUT sends a RNR/F=1 in response to an I frame with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state after sending RNR/F=1. Verify that the IUT sends nothing in response to an I/P=0 received with V(A)=N(R) <V(S) in Multiple Frame Established state (7.2) . The IUT is expected to remain in Multiple

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Test Case Identifier	Test Case Reference		Description
DL72_V54	LAPD/MFO/S72/DL72_V54	1020	Frame Established Own Busy state. Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with $V(A)=N(R)<V(S)$ and $N(S)<V(R)$ received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state after sending RNR/F=1.
DL72_V55	LAPD/MFO/S72/DL72_V55	1021	Verify that the IUT sends nothing in response to an I/P=0 frame with $V(A)=N(R)<V(S)$ and $N(S)<V(R)$ received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state.
DL72_V56	LAPD/MFO/S72/DL72_V56	1022	Verify that the IUT sends an RNR/P=1 or I/P=1 after a T200 timeout in Multiple Frame Established state (7.2). The IUT is expected to enter Timer Recovery state after sending RNR/P=1.
DL72_V57	LAPD/MFO/S72/DL72_V57	1023	Verify that the IUT sends an RNR/P=1 after a T203 timeout occurs in Multiple Frame Established state (7.2). The IUT is expected to enter Timer Recovery state after sending RNR/F=1.

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Test Case Identifier	Test Case Reference		Description
DL72_V59	LAPD/MFO/S72/DL72_V59	1024	Verify that the IUT sends an RR/F=0 when it clears OWN BUSY in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0.
DL72_N01	LAPD/MFO/S72/DL72_N01	1025	Verify that the IUT sends an RNR/F=1 and then sends a SABME/P=1 in response to an RR/P=1 command with N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL72_N02	LAPD/MFO/S72/DL72_N02	1026	Verify that the IUT sends a SABME/P=1 in response to an RR/P=0 command with an N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL72_N03	LAPD/MFO/S72/DL72_N03	1027	Verify that the IUT sends a SABME/P=1 in response to an RR/F=1 response with an N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending

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Test Case Identifier	Test Case Reference		Description
"	"	"	Established state (7.2)
"	"	"	. The IUT is expected
"	"	"	to enter Awaiting
"	"	"	Establishment state
"	"	"	after sending
"	"	"	SABME/P=1.
DL72_N12	LAPD/MFO/S72/DL72_N	1036	Verify that the IUT
"	12	"	sends a SABME/P=1 in
"	"	"	response to an RNR/F=0
"	"	"	Response with an N(R)
"	"	"	error received in
"	"	"	Multiple Frame
"	"	"	Established state (7.2)
"	"	"	. The IUT is expected
"	"	"	to enter Awaiting
"	"	"	Establishment state
"	"	"	after sending
"	"	"	SABME/P=1.
DL72_N13	LAPD/MFO/S72/DL72_N	1037	Verify that the IUT
"	13	"	sends an RNR/F=1 and a
"	"	"	SABME/P=1 in response
"	"	"	to an I/P=1 frame with
"	"	"	an N(R) error received
"	"	"	in Multiple Frame
"	"	"	Established state (7.2)
"	"	"	. The IUT is expected
"	"	"	to enter Awaiting
"	"	"	Establishment state
"	"	"	after sending
"	"	"	SABME/P=1.
DL72_N14	LAPD/MFO/S72/DL72_N	1038	Verify that the IUT
"	14	"	sends a SABME/P=1 in
"	"	"	response to an I/P=0
"	"	"	with an N(R) error
"	"	"	received in Multiple
"	"	"	Frame Established state
"	"	"	(7.2). The IUT is
"	"	"	expected to enter
"	"	"	Awaiting Establishment
"	"	"	state after sending
"	"	"	SABME/P=1.
DL72_N15	LAPD/MFO/S72/DL72_N	1039	Verify that the IUT
"	15	"	sends an RNR/F=1 and
"	"	"	sends a SABME/P=1 in
"	"	"	response to an I/P=1

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4 Abstract Test Suite Part I

LAPD Conformance Testing

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Test Case Identifier	Test Case Reference		Description
"	"	"	with an N(R) error and
"	"	"	N(S)=V(R) received in
"	"	"	Multiple Frame
"	"	"	Established state (7.2)
"	"	"	. The IUT is expected
"	"	"	to enter Awaiting
"	"	"	Establishment state
"	"	"	after sending
"	"	"	SABME/P=1.
DL72_N16	LAPD/MFO/S72/DL72_N	1040	Verify that the IUT
"	16	"	sends a SABME/P=1 in
"	"	"	response to an I/P=0
"	"	"	with an N(R) error and
"	"	"	N(S)=V(R) received in
"	"	"	Multiple Frame
"	"	"	Established state (7.2)
"	"	"	. The IUT is expected
"	"	"	to Awaiting Establishme
"	"	"	nt state after sending
"	"	"	SABME/P=1.
DL72_N17	LAPD/MFO/S72/DL72_N	1041	Verify that the IUT
"	17	"	sends a SABME/P=1 in
"	"	"	response to a SABME of
"	"	"	incorrect length
"	"	"	received in Multiple
"	"	"	Frame Established state
"	"	"	(7.2). The IUT is
"	"	"	expected to enter
"	"	"	Awaiting Establishment
"	"	"	state after sending
"	"	"	SABME/P=1.
DL72_N18	LAPD/MFO/S/2/DL72_N	1042	Verify that the IUT
"	18	"	sends a SABME/P=1 in
"	"	"	response to a DISC of
"	"	"	incorrect length
"	"	"	received in Multiple
"	"	"	Frame Established state
"	"	"	(7.2). The IUT is
"	"	"	expected to enter
"	"	"	Awaiting Establishment
"	"	"	state after sending
"	"	"	SABME/P=1.
DL72_N19	LAPD/MFO/S72/DL72_N	1043	Verify that the IUT
"	19	"	sends a SABME/P=1 in
"	"	"	response to a UA of

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Test Case Identifier	Test Case Reference		Description
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.2). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL72_N20	LAPD/MFO/S72/DL72_N	1044	Verify that the IUT
#	20		sends a SABME/P=1 in
#			response to a DM of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.2). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL72_N21	LAPD/MFO/S72/DL72_N	1045	Verify that the IUT
#	21		sends a SABME/P=1 in
#			response to a FRMR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.2). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL72_N22	LAPD/MFO/S72/DL72_N	1046	Verify that the IUT
#	22		sends a SABME/P=1 in
#			response to an RR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.2). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL72_N23	LAPD/MFO/S72/DL72_N	1047	Verify that the IUT
#	23		sends a SABME/P=1 in
#			response to an RNR of
#			incorrect length

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LAPD Conformance Testing

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Test Case Identifier	Test Case Reference		Description
#			received in Multiple
#			Frame Established state
#			(7.2). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL72_N24	LAPD/MFO/S72/DL72_N	1048	Verify that the IUT
#	24		sends a SABME/P=1 in
#			response to a REJ of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.2). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL72_N25	LAPD/MFO/S72/DL72_N	1049	Verify that the IUT
#	25		sends a SABME/P=1 in
#			response to an I frame
#			with excess length
#			(N201 error) received
#			in Multiple Frame
#			Established state (7.2)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
#			SABME/P=1.
DL72_N26	LAPD/MFO/S72/DL72_N	1050	Verify that the IUT
#	26		sends a SABME/P=1 in
#			response to an
#			undefined command
#			received in Multiple
#			Frame Established state
#			(7.2). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL72_N27	LAPD/MFO/S72/DL72_N	1051	Verify that the IUT
#	27		sends a SABME/P=1 in
#			response to a frame
#			with an invalid I field

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Test Case Identifier	Test Case Reference		Description
DL72_I01	LAPD/MFO/S72/DL72_I01	1052	received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT does not respond to an RR/F=1 response received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending no response.
DL72_I02	LAPD/MFO/S72/DL72_I02	1053	Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL72_I03	LAPD/MFO/S72/DL72_I03	1054	Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL72_I04	LAPD/MFO/S72/DL72_I04	1055	Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.2). The IUT is

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LAPD Conformance Testing

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Test Case Identifier	Test Case Reference		Description
DL72_I05	LAPD/MFO/S72/DL72_I05	1056	expected to remain in Multiple Frame Established state. Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL72_I06	LAPD/MFO/S72/DL72_I06	1057	Verify that the IUT sends nothing in response to an RNR/F=1 response received in Multiple Frame Established state (7.2). The IUT is expected to enter Multiple Frame Established Peer Busy state.
DL72_I07	LAPD/MFO/S72/DL72_I07	1058	Verify that the IUT sends nothing in response to an RNR/F=1 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to enter Multiple Frame Established Peer Busy state.
DL73_V01	LAPD/MFO/S73/DL73_V01	1059	Verify that the IUT can send a SABME/P=1 in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1.
DL73_V03	LAPD/MFO/S73/DL73_V03	1060	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
#	03		sends an I frame when V
#			(S)<V(A)+k (ie. window
#			is open) in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state after
DL73_V04	LAPD/MFO/S73/DL73_V	1061	sending an I frame.
#	04		Verify that the IUT
#			does not send an I
#			frame (queued) when V
#			(S)=V(A)+k (window is
#			closed) in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state after
#			sending no response.
DL73_V08	LAPD/MFO/S73/DL73_V	1062	Verify that the IUT
#	08		sends a UA/F=1 in
#			response to a SABME/P=1
#			received in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to remain in
#			Multiple Frame
#			established state after
#			sending the UA/F=1.
DL73_V10	LAPD/MFO/S73/DL73_V	1063	Verify that the IUT
#	10		sends a UA/F=1 in
#			response to a SABME/P=1
#			received in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state after
#			sending UA/F=1.
DL73_V12	LAPD/MFO/S73/DL73_V	1064	Verify that the IUT
#	12		sends a UA/F=1 in
#			response to a DISC/P=1
#			received in Multiple
#			Frame Established state

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LAPD Conformance Testing

..... is titled "LAPD Test Suite".

Test Case Identifier	Test Case Reference		Description
#			(7.3). The IUT is
#			expected to enter the
#			Assigned state after
DL73_V13	LAPD/MFO/S73/DL73_V	1065	sending UA/F=1.
#	13		Verify that the IUT
#			sends a UA/F=1 in
#			response to a DISC/P=1
#			received in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to enter the
#			Assigned state after
#			sending UA/F=1.
DL73_V14	LAPD/MFO/S73/DL73_V	1066	Verify that the IUT
#	14		sends a SABME/P=1 in
#			response to a DISC/P=1
#			received in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to enter the
#			Assigned state after
#			sending the
#			SABME/P=1.
DL73_V16	LAPD/MFO/S73/DL73_V	1067	Verify that the IUT
#	16		sends nothing in
#			response to a PM/F=1
#			received in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state.
DL73_V17	LAPD/MFO/S73/DL73_V	1068	Verify that the IUT
#	17		sends a SABME/P=1 after
#			receiving a FRMR
#			rejecting an RR in
#			Multiple Frame
#			Established state (7.3)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
#			SABME/P=1.
DL73_V20	LAPD/MFO/S73/DL73_V	1069	Verify that the IUT
#	20		sends an RNR/F=1 in

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Test Case Identifier	Test Case Reference		Description
DL73_V21	LAPD/MFO/S73/DL73_V 21	1070	response to an RR/P=1 command received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1. Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending no response.
DL73_V23	LAPD/MFO/S73/DL73_V 23	1071	Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after send no response.
DL73_V24	LAPD/MFO/S73/DL73_V 24	1072	Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL73_V25	LAPD/MFO/S73/DL73_V 25	1073	Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame

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LAPD Conformance Testing

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Test Case Identifier	Test Case Reference		Description
DL73_V26	LAPD/MFO/S73/DL73_V 26	1074	Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I. Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL73_V27	LAPD/MFO/S73/DL73_V 27	1075	Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending the I frame.
DL73_V28	LAPD/MFO/S73/DL73_V 28	1076	Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL73_V29	LAPD/MFO/S73/DL73_V 29	1077	Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)=N(R)<V(S) received in Multiple Frame

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Test Case Identifier	Test Case Reference		Description
DL73_V30	LAPD/MFO/S73/DL73_V30	1078	Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT sends an RNR/F=1 response in response to a REJ/P=1 command received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL73_V31	LAPD/MFO/S73/DL73_V31	1079	Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state.
DL73_V32	LAPD/MFO/S73/DL73_V32	1080	Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state.
DL73_V33	LAPD/MFO/S73/DL73_V33	1081	Verify that the IUT sends an RNR/F=1 and retransmits an I frame in response to an REJ/P=1 command with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple

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Test Case Identifier	Test Case Reference	Description
DL73_V34	LAPD/MFO/S73/DL73_V34	1082
		Frame Established state after sending I frame. Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A)≤N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL73_V35	LAPD/MFO/S73/DL73_V35	1083
		Verify that the IUT retransmits an I frame in response to an REJ/F=0 response with V(A)≤N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I Frame.
DL73_V36	LAPD/MFO/S73/DL73_V36	1084
		Verify that the IUT sends a RNR/F=1 in response to an RNR/P=1 received in Multiple Frame Established state (7.3). The IUT is expected to enter Multiple Frame Established Peer Busy state after send RR/F=1.
DL73_V37	LAPD/MFO/S73/DL73_V37	1085
		Verify the the IUT sends nothing in response to an RNR/P=0 received in Multiple Frame Established state (7.3). The IUT is expected to enter Multiple Frame Established Peer Busy state.

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Test Case Identifier	Test Case Reference		Description
DL73_V39	LAPD/MFO/S73/DL73_V39	1086	Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.3). the IUT is expected to enter Multiple Frame Established Peer Busy state.
DL73_V40	LAPD/MFO/S73/DL73_V40	1087	Verify that the IUT sends an RNR/F=1 in response to an RNR/F=1 with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.3). The IUT is expected to enter Multiple Frame Established Peer Busy state after send RNR/F=1.
DL73_V41	LAPD/MFO/S73/DL73_V41	1088	Verify the the IUT sends nothing in response to an RNR/P=0 with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.3). The IUT is expected to enter Multiple Frame Established Peer Busy state.
DL73_V43	LAPD/MFO/S73/DL73_V43	1089	Verify that the IUT does not respond to an RNR/F=0 response with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.3). the IUT is expected to enter Multiple Frame Established Peer Busy state.
DL73_V44	LAPD/MFO/S73/DL73_V44	1090	Verify that the IUT sends an RNR/F=1 in

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Test Case Identifier	Test Case Reference		Description
DL73_V45	LAPD/MFO/S73/DL73_V45	1091	response to an I frame received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.
DL73_V46	LAPD/MFO/S73/DL73_V46	1092	Verify that the IUT sends an RNR/F=1 in response to an I/P=1 with $N(S) < V(R)$ received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.
DL73_V47	LAPD/MFO/S73/DL73_V47	1093	Verify that the IUT sends nothing in response to an I/P=0 with $N(S) < V(R)$ received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state.
DL73_V48	LAPD/MFO/S73/DL73_V48	1094	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.3)

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Test Case Identifier	Test Case Reference		Description
DL73_V49	LAPD/MFO/S73/DL73_V49	1095	. The IUT is expected to remain in Multiple Frame Established Reject recovery & Own Busy state after sending RNR/F=1. Verify that the IUT sends nothing in response to an I/P=0 received with V(A)<N(R)<V(S) in Multiple Frame Established state (7.3). . The IUT is expected to remain in Multiple Frame Established Reject Recovery & Own Busy state.
DL73_V50	LAPD/MFO/S73/DL73_V50	1096	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject recovery & Own Busy state after sending RNR/F=1.
DL73_V51	LAPD/MFO/S73/DL73_V51	1097	Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)<N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject Recovery & Own Busy state.
DL73_V52	LAPD/MFO/S73/DL73_V	1098	Verify that the IUT

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LAPD Conformance Testing

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Test Case Identifier	Test Case Reference	Description
#	52	sends a RNR/F=1 in response to an I frame with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject recovery & Own Busy state after sending RNR/F=1.
DL73_V53	LAPD/MFO/S73/DL73_V53	1099 Verify that the IUT sends nothing in response to an I/P=0 received with V(A)=N(R)<V(S) in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject Recovery & Own Busy state.
DL73_V54	LAPD/MFO/S73/DL73_V54	1100 Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)=N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject recovery & Own Busy state after sending RNR/F=1.
DL73_V55	LAPD/MFO/S73/DL73_V55	1101 Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)=N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.3). The IUT is

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Test Case Identifier	Test Case Reference		Description
DL73_V56	LAPD/MFO/S73/DL73_V56	1102	expected to remain in Multiple Frame Established Reject Recovery & Own Busy state. Verify that the IUT sends an RNR/P=1 or I/P=1 after a T200 timeout in Multiple Frame Established state (7.3). The IUT is expected to enter Timer Recovery state after sending RNR/P=1 or I/P=1.
DL73_V57	LAPD/MFO/S73/DL73_V57	1103	Verify that the IUT sends an RNR/P=1 after a T203 timeout occurs in Multiple Frame Established state (7.3). The IUT is expected to enter Timer Recovery state after sending RNR/F=1.
DL73_V59	LAPD/MFO/S73/DL73_V59	1104	Verify that the IUT sends an RR/F=0 when it clears OWN BUSY in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0.
DL73_N01	LAPD/MFO/S73/DL73_N01	1105	Verify that the IUT sends an RNR/F=1 and then sends a SABME/P=1 in response to an RR/P=1 command with N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending

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Test Case Identifier	Test Case Reference		Description
DL73_N02	LAPD/MFO/S73/DL73_N02	1106	SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an RR/P=0 command with an N(R) error received in Multiple frame Established state (7.3). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1.
DL73_N03	LAPD/MFO/S73/DL73_N03	1107	Verify that the IUT sends a SABME/P=1 in response to an RR/F=1 response with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N04	LAPD/MFO/S73/DL73_N04	1108	Verify that the IUT sends a SABME/P=1 in response to an RR/F=0 with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N05	LAPD/MFO/S73/DL73_N05	1109	Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response to a REJ/P=1 command with a N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter

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Test Case Identifier	Test Case Reference		Description
#			Awaiting Establishment state after sending SABME/P=1.
#			Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 command with an N(R) error received in Multiple Frame Established state (7.3).
DL73_N06	LAPD/MFO/S73/DL73_N06	1110	. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
#			Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 Response with an N(R) error received in Multiple Frame Established state (7.3).
#			. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N07	LAPD/MFO/S73/DL73_N07	1111	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 Response with an N(R) error received in Multiple Frame Established state (7.3).
#			. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N08	LAPD/MFO/S73/DL73_N08	1112	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 Response with an N(R) error received in Multiple Frame Established state (7.3).
#			. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N09	LAPD/MFO/S73/DL73_N09	1113	Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response to an RNR/P=1 command with a N(R) error received in Multiple

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Test Case Identifier	Test Case Reference		Description
#			Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N10	LAPD/MFO/S73/DL73_N10	1114	Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame Established state (7.3).
#			. The IUT is expected to enter Awaiting Establishment state after sending a SABME/P=1.
DL73_N11	LAPD/MFO/S73/DL73_N11	1115	Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame Established state (7.3).
#			. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N12	LAPD/MFO/S73/DL73_N12	1116	Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame Established state (7.3).
#			. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N13	LAPD/MFO/S73/DL73_N13	1117	Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response

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Test Case Identifier	Test Case Reference		Description
DL73_N14	LAPD/MFO/S73/DL73_N14	1118	to an I/P=1 frame with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N15	LAPD/MFO/S73/DL73_N15	1119	Verify that the IUT sends an RNR/F=1 and sends a SABME/P=1 in response to an I/P=1 with an N(R) error and N(S)~V(R) received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N16	LAPD/MFO/S73/DL73_N16	1120	Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error and N(S)~V(R) received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N17	LAPD/MFC/S73/DL73_N	1121	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
DL73_N18	LAPD/MFO/S73/DL73_N18	1122	17 sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N19	LAPD/MFO/S73/DL73_N19	1123	Verify that the IUT sends a SABME/P=1 in response to a UA of incorrect length received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N20	LAPD/MFO/S73/DL73_N20	1124	Verify that the IUT sends a SABME/P=1 in response to a DM of incorrect length received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL73_N21	LAPD/MFO/S73/DL73_N21	1125	Verify that the IUT sends a SABME/P=1 in

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Test Case Identifier	Test Case Reference		Description
#			response to a FRMR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL73_N22	LAPD/MFO/S73/DL73_N	1126	Verify that the IUT
#	22		sends a SABME/P=1 in
#			response to an RR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL73_N23	LAPD/MFO/S73/DL73_N	1127	Verify that the IUT
#	23		sends a SABME/P=1 in
#			response to an RNR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.3). the IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL73_N24	LAPD/MFO/S73/DL73_N	1128	Verify that the IUT
#	24		sends a SABME/P=1 in
#			response to a REJ of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL73_N25	LAPD/MFO/S73/DL73_N	1129	Verify that the IUT
#	25		sends a SABME/P=1 in
#			response to an I frame

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Test Case Identifier	Test Case Reference		Description
#			with excess length
#			(N201 error) received
#			in Multiple Frame
#			Established state (7.3)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
#			SABME/P=1.
DL73_N26	LAPD/MFO/S73/DL73_N	1130	Verify that the IUT
#	26		sends a SABME/P=1 in
#			response to an
#			undefined command
#			received in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL73_N27	LAPD/MFO/S73/DL73_N	1131	Verify that the IUT
#	27		sends a SABME/P=1 in
#			response to a frame
#			with an invalid I field
#			received in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL73_I01	LAPD/MFO/S73/DL73_I	1132	Verify that the IUT
#	01		does not respond to an
#			RR/F=1 response
#			received in Multiple
#			Frame Established state
#			(7.3). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state after
#			sending no response.
DL73_I02	LAPD/MFO/S73/DL73_I	1133	Verify that the IUT
#	02		retransmits an I frame
#			in response to an
#			RR/F=1 response with V

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Test Case Identifier	Test Case Reference		Description
#			(A)<N(R)<V(S) received in Multiple Frame
#			Established state (7.3)
#			. The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL73_I03	LAPD/MFO/S73/DL73_I03	1134	Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple frame
#			Established state (7.3)
#			. The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL73_I04	LAPD/MFO/S73/DL73_I04	1135	Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame
#			Established state.
#			Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)<=N(R)<V(S) received in Multiple Frame
DL73_I05	LAPD/MFO/S73/DL73_I05	1136	Established state (7.3)
#			. The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL73_I06	LAPD/MFO/S73/DL73_I06	1137	Verify that the IUT sends nothing in response to an RNR/F=1 response received in Multiple Frame
#			Established state (7.3)
#			. The IUT is expected

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Test Case Identifier	Test Case Reference		Description
#			to enter Multiple Frame Established Peer Busy state.
DL73_I07	LAPD/MFO/S73/DL73_I07	1138	Verify that the IUT sends nothing in response to an RNR/F=1 response with V(A)<=N(R)<V(S) received in Multiple Frame
#			Established state (7.3)
#			. The IUT is expected to enter Multiple Frame Established Peer Busy state.
DL74_V01	LAPD/MFO/S74/DL74_V01	1139	Verify that the IUT can send a SABME/P=1 in Multiple Frame
#			Established state (7.4)
#			. The IUT is expected to enter Awaiting establishment state after sending SABME/P=1.
DL74_V03	LAPD/MFO/S74/DL74_V03	1140	Verify that the IUT does not send an I frame when V(S)<V(A)+k (ie. window is open) in Multiple Frame
#			Established state (7.4)
#			. The IUT is expected to remain in Multiple Frame Established state after queuing the I frame.
DL74_V04	LAPD/MFO/S74/DL74_V04	1141	verify that the IUT does not send an I frame (queued) when V(S)=V(A)+k (window is closed) in Multiple Frame
#			Established state (7.4). The IUT is expected to remain in Multiple Frame
#			Established state after sending no response.

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Test Case Identifier	Test Case Reference		Description
DL74_V08	LAPD/MFO/S74/DL74_V08	1142	Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame established state after sending the UA/F=1.
DL74_V10	LAPD/MFO/S74/DL74_V10	1143	Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending UA/F=0.
DL74_V12	LAPD/MFO/S74/DL74_V12	1144	Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.4). The IUT is expected to enter TEI Assigned state after sending UA/F=1.
DL74_V13	LAPD/MFO/S74/DL74_V13	1145	Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Multiple Frame Established state (7.4). The IUT is expected to enter TEI Assigned state after sending UA/F=0.
DL74_V14	LAPD/MFO/S74/DL74_V14	1146	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting

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Test Case Identifier	Test Case Reference		Description
DL74_V16	LAPD/MFO/S74/DL74_V16	1147	Establishment state after sending the SABME/P=1. Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state.
DL74_V17	LAPD/MFO/S74/DL74_V17	1148	Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_V20	LAPD/MFO/S74/DL74_V20	1149	Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL74_V21	LAPD/MFO/S74/DL74_V21	1150	Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending no response.
DL74_V23	LAPD/MFO/S74/DL74_V23	1151	Verify that the IUT does not respond to an

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Test Case Identifier	Test Case Reference		Description
"			RR/F=0 response
"			received in Multiple
"			Frame Established state
"			(7.4). The IUT is
"			expected to remain in
"			Multiple Frame
"			Established state after
"			send no response.
DL74_V24	LAPD/MFO/S74/DL74_V	1152	Verify that the IUT
"	24		sends an RR/F=1 in
"			response to an RR/P=1
"			command with V(A)<N(R)
"			<V(S) received in
"			Multiple Frame
"			Established state (7.4)
"			. The IUT is expected
"			to remain in Multiple
"			Frame Established state
"			after sending RR/F=1.
DL74_V25	LAPD/MFO/S74/DL74_V	1153	Verify that the IUT
"	25		retransmits an I frame
"			in response to an
"			RR/P=0 command with V
"			(A)<N(R)<V(S) received
"			in Multiple Frame
"			Established state (7.4)
"			. The IUT is expected
"			to remain in Multiple
"			Frame Established state
"			after sending I.
DL74_V26	LAPD/MFO/S74/DL74_V	1154	Verify that the IUT
"	26		retransmits an I frame
"			in response to an
"			RR/F=0 command with V
"			(A)<N(R)<V(S) received
"			in Multiple Frame
"			Established state (7.4)
"			. The IUT is expected
"			to remain in Multiple
"			Frame Established state
"			after sending I frame.
DL74_V27	LAPD/MFO/S74/DL74_V	1155	Verify that the IUT
"	27		sends an RR/F=1 in
"			response to an RR/P=1
"			command with V(A)=N(R)

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Test Case Identifier	Test Case Reference		Description
"			<V(S) received in
"			Multiple Frame
"			Established state (7.4)
"			. The IUT is expected
"			to remain in Multiple
"			Frame Established state
"			after sending the I
"			frame.
DL74_V28	LAPD/MFO/S74/DL74_V	1156	Verify that the IUT
"	28		retransmits an I frame
"			in response to an
"			RR/P=0 command with V
"			(A)=N(R)<V(S) received
"			in Multiple Frame
"			Established state (7.4)
"			. The IUT is expected
"			to remain in Multiple
"			Frame Established state
"			after sending I frame.
DL74_V29	LAPD/MFO/S74/DL74_V	1157	Verify that the IUT
"	29		retransmits an I frame
"			in response to an
"			RR/F=0 command with V
"			(A)=N(R)<V(S) received
"			in Multiple Frame
"			Established state (7.4)
"			. The IUT is expected
"			to remain in Multiple
"			Frame Established state
"			after sending I frame.
DL74_V30	LAPD/MFO/S74/DL74_V	1158	Verify that the IUT
"	30		sends an RR/F=1 in
"			response to a REJ/P=1
"			command received in
"			Multiple Frame
"			Established state (7.4)
"			. The IUT is expected
"			to remain in Multiple
"			Frame Established state
"			after sending RR/F=1.
DL74_V31	LAPD/MFO/S74/DL74_V	1159	Verify that the IUT
"	31		sends nothing in
"			response to a REJ/P=0
"			command received in
"			Multiple Frame

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Test Case Identifier	Test Case Reference		Description
#			Established state (7.4)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established
#			state.
DL74_V32	LAPD/MFO/S74/DL74_V	1160	Verify that the IUT
#	32		does not respond to a
#			REJ/F=0 response
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state.
DL74_V33	LAPD/MFO/S74/DL74_V	1161	Verify that the IUT
#	33		sends an RR/F=1 and
#			retransmits an I frame
#			in response to an
#			REJ/P=1 command with V
#			(A) <= N(R) < V(S) received
#			in Multiple Frame
#			Established state (7.4)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending I frame.
DL74_V34	LAPD/MFO/S74/DL74_V	1162	Verify that the IUT
#	34		retransmits an I frame
#			in response to an
#			REJ/P=0 command with V
#			(A) <= N(R) < V(S) received
#			in Multiple Frame
#			Established state (7.4)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending I frame.
DL74_V35	LAPD/MFO/S74/DL74_V	1163	Verify that the IUT
#	35		retransmits an I frame
#			in response to an
#			REJ/F=0 response with V
#			(A) <= N(R) < V(S) received
#			in Multiple Frame
#			Established state (7.4)
#			. The IUT is expected

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Test Case Identifier	Test Case Reference		Description
#			to remain in Multiple
#			Frame Established state
#			after sending I Frame.
DL74_V36	LAPD/MFO/S74/DL74_V	1164	Verify that the IUT
#	36		sends a RR/F=1 in
#			response to an RNR/P=1
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established Peer Busy
#			state after sending
#			RR/F=1.
DL74_V37	LAPD/MFO/S74/DL74_V	1165	Verify that the IUT
#	37		sends nothing in
#			response to an RNR/P=0
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established Peer Busy
#			state.
DL74_V39	LAPD/MFO/S74/DL74_V	1166	Verify that the IUT
#	39		does not respond to an
#			RNR/F=0 response
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established Peer Busy
#			state.
DL74_V40	LAPD/MFO/S74/DL74_V	1167	Verify that the IUT
#	40		sends an RR/F=1 in
#			response to an RNR/P=1
#			with V(A) <= N(R) < V(S)
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established Peer Busy
#			state after sending

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Test Case Identifier	Test Case Reference		Description
DL74_V41	LAPD/MFO/S74/DL74_V41	1168	RR/F=1. Verify the the IUT sends nothing in response to an RNR/P=0 with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Busy state.
DL74_V43	LAPD/MFO/S74/DL74_V43	1169	Verify that the IUT does not respond to an RNR/F=0 response with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.4). the IUT is expected to remain in Multiple Frame Established Peer Busy state.
DL74_V44	LAPD/MFO/S74/DL74_V44	1170	Verify that the IUT sends an RR/F=1 in response to an I frame received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL74_V45	LAPD/MFO/S74/DL74_V45	1171	Verify that the IUT sends an RR/F=0 in response to an I/P=0 received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0.
DL74_V46	LAPD/MFO/S74/DL74_V46	1172	Verify that the IUT sends a REJ/F=1 in response to an I/P=1

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Test Case Identifier	Test Case Reference		Description
DL74_V47	LAPD/MFO/S74/DL74_V47	1173	with $N(S) < V(R)$ received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending REJ/F=1. Verify that the IUT sends a REJ/F=0 in response to an I/P=0 with $N(S) < V(R)$ received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Establishment state after sending REJ/F=0.
DL74_V48	LAPD/MFO/S74/DL74_V48	1174	Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy state after sending RR/F=1.
DL74_V49	LAPD/MFO/S74/DL74_V49	1175	Verify that the IUT sends a RR/F=0 in response to an I/P=0 received with $V(A) < N(R) < V(S)$ in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy state after sending RR/F=0.
DL74_V50	LAPD/MFO/S74/DL74_V50	1176	Verify that the IUT sends a REJ/F=1 in response to an I/P=1

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Test Case Identifier	Test Case Reference		Description
#			frame with V(A)<N(R)<V
#			(S) and N(S)<>V(R)
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to enter
#			Multiple Frame
#			Established Peer
#			Receiver Busy/Reject
#			Recovery state after
#			sending REJ/F=1.
DL74_V51	LAPD/MFO/S74/DL74_V	1177	Verify that the IUT
#	51		sends a REJ/F=0 in
#			response to an I/P=0
#			frame with V(A)<N(R)<V
#			(S) and N(S)<>V(R)
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to enter
#			Multiple Frame
#			Established Peer
#			Receiver Busy/Reject
#			Recovery state after
#			sending REJ/F=0.
DL74_V52	LAPD/MFO/S74/DL74_V	1178	Verify that the IUT
#	52		sends a RR/F=1 in
#			response to an I frame
#			with V(A)=N(R)<V(S)
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established Peer
#			Receiver Busy state
#			after sending RR/F=1.
DL74_V53	LAPD/MFO/S74/DL74_V	1179	Verify that the IUT
#	53		sends a RR/F=0 in
#			response to an I/P=0
#			received with V(A)=N(R)
#			<V(S) in Multiple Frame
#			Established state (7.4)
#			. The IUT is expected
#			to remain in Multiple

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Test Case Identifier	Test Case Reference		Description
#			Frame Established Peer
#			Receiver Busy state
#			after sending RR/F=0.
DL74_V54	LAPD/MFO/S74/DL74_V	1180	Verify that the IUT
#	54		sends a REJ/F=1 in
#			response to an I/P=1
#			frame with V(A)=N(R)<V
#			(S) and N(S)<>V(R)
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to enter
#			Multiple Frame
#			Established Peer
#			Receiver Busy/Reject
#			Recovery state after
#			sending REJ/F=1.
DL74_V55	LAPD/MFO/S74/DL74_V	1181	Verify that the IUT
#	55		sends a REJ/F=0 in
#			response to an I/P=0
#			frame with V(A)=N(R)<V
#			(S) and N(S)<>V(R)
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to enter
#			Multiple Frame
#			Established Peer
#			Receiver Busy/Reject
#			Recovery state after
#			sending REJ/F=0.
DL74_V56	LAPD/MFO/S74/DL74_V	1182	Verify that the IUT
#	56		sends an RR/P=1 after a
#			T200 timeout in
#			Multiple Frame
#			Established state (7.4)
#			. The IUT is expected
#			to enter Timer Recovery
#			state after sending
#			RR/P=1.
DL74_V57	LAPD/MFO/S74/DL74_V	1183	Verify that the IUT
#	57		sends an RNR/F=0 when
#			it sets OWN BUSY in
#			Multiple Frame
#			Established state (7.4)

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LAPD Conformance Testing

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Test Case Identifier	Test Case Reference		Description
DL74_N01	LAPD/MFO/S74/DL74_N01	1184	. The IUT is expected to enter Multiple Frame Established Own Busy state after sending RNR/F=0. Verify that the IUT sends an RR/F=1 and then sends a SABME/P=1 in response to an RR/P=1 command with N(R) error received in Multiple Frame Established state (7.4) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N02	LAPD/MFO/S74/DL74_N02	1185	Verify that the IUT sends a SABME/P=1 in response to an RR/P=0 command with an N(R) error received in Multiple frame Established state (7.4) . The IUT is expected to enter Awaiting establishment state after sending SABME/P=1.
DL74_N03	LAPD/MFO/S74/DL74_N03	1186	Verify that the IUT sends a SABME/P=1 in response to an RR/F=1 response with an N(R) error received in Multiple Frame Established state (7.4) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N04	LAPD/MFO/S74/DL74_N04	1187	Verify that the IUT sends a SABME/P=1 in response to an RR/F=0

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Test Case Identifier	Test Case Reference		Description
DL74_N05	LAPD/MFO/S74/DL74_N05	1188	with an N(R) error received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends an RR/F=1 and a SABME/P=1 in response to a REJ/P=1 command with a N(R) error received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N06	LAPD/MFO/S74/DL74_N06	1189	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 response with an N(R) error received in Multiple Frame Established state (7.4) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N07	LAPD/MFO/S74/DL74_N07	1190	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 Response with an N(R) error received in Multiple Frame Established state (7.4) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N08	LAPD/MFO/S74/DL74_N08	1191	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
#	08		sends a SABME/P=1 in response to a REJ/F=0
#			Response with an N(R) error received in Multiple Frame
#			Established state (7.4)
#			. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N09	LAPD/MFO/S74/DL74_N09	1192	Verify that the IUT sends an RR/F=1 and a SABME/P=1 in response to an RNR/P=1 command with a N(R) error received in Multiple Frame
#			Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N10	LAPD/MFO/S74/DL74_N10	1193	Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame
#			Established state (7.4)
#			. The IUT is expected to enter Awaiting Establishment state after sending a SABME/P=1.
DL74_N11	LAPD/MFO/S74/DL74_N11	1194	Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame
#			Established state (7.4)
#			. The IUT is expected to enter Awaiting Establishment state

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Test Case Identifier	Test Case Reference		Description
#			after sending SABME/P=1.
DL74_N12	LAPD/MFO/S74/DL74_N12	1195	Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame
#			Established state (7.4)
#			. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N13	LAPD/MFO/S74/DL74_N13	1196	Verify that the IUT sends an RR/F=1 and a SABME/P=1 in response to an I/P=1 frame with an N(R) error received in Multiple Frame
#			Established state (7.4)
#			. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N14	LAPD/MFO/S74/DL74_N14	1197	Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error received in Multiple Frame
#			Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N15	LAPD/MFO/S74/DL74_N15	1198	Verify that the IUT sends a REJ/F=1 and sends a SABME/P=1 in response to an I/P=1 with an N(R) error and N(S)=V(R) received in Multiple Frame
#			Established state (7.4)

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Test Case Identifier	Test Case Reference		Description
DL74_N16	LAPD/MFO/S74/DL74_N16	1199	. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a REJ/F=0 and a SABME/P=1 in response to an I/P=0 with an N(R) error and N(S)=V(R) received in Multiple Frame Established state (7.4).
DL74_N17	LAPD/MFO/S74/DL74_N17	1200	. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N18	LAPD/MFO/S74/DL74_N18	1201	Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N19	LAPD/MFO/S74/DL74_N19	1202	Verify that the IUT sends a SABME/P=1 in response to a UA of incorrect length received in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
DL74_N20	LAPD/MFO/S74/DL74_N20	1203	(7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a DM of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N21	LAPD/MFO/S74/DL74_N21	1204	Verify that the IUT sends a SABME/P=1 in response to a FRMR of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N22	LAPD/MFO/S74/DL74_N22	1205	Verify that the IUT sends a SABME/P=1 in response to an RR of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL74_N23	LAPD/MFO/S74/DL74_N23	1206	Verify that the IUT sends a SABME/P=1 in response to an RNR of incorrect length received in Multiple Frame Established state (7.4). the IUT is

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Test Case Identifier	Test Case Reference		Description
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL74_N24	LAPD/MFO/S74/DL74_N	1207	SABME/P=1.
#	24		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL74_N25	LAPD/MFO/S74/DL74_N	1208	SABME/P=1.
#	25		Verify that the IUT
#			sends a SABME/P=1 after
#			an N201 error occurs in
#			Multiple Frame
#			Established state (7.4)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
DL74_N26	LAPD/MFO/S74/DL74_N	1209	SABME/P=1.
#	26		Verify that the IUT
#			sends a SABME/P=1 in
#			response to an
#			undefined command
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL74_N27	LAPD/MFO/S74/DL74_N	1210	SABME/P=1.
#	27		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a frame
#			with an invalid I field
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to enter
#			Awaiting Establishment

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Test Case Identifier	Test Case Reference		Description
#			state after sending
#			SABME/P=1.
DL74_I01	LAPD/MFO/S74/DL74_I	1211	Verify that the IUT
#	01		does not respond to an
#			RR/F=1 response
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state after
#			sending no response.
DL74_I02	LAPD/MFO/S74/DL74_I	1212	Verify that the IUT
#	02		retransmits an I frame
#			in response to an
#			RR/F=1 response with V
#			(A)<N(R)<V(S) received
#			in Multiple Frame
#			Established state (7.4)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending I frame.
DL74_I03	LAPD/MFO/S74/DL74_I	1213	Verify that the IUT
#	03		retransmits an I frame
#			in response to an
#			RR/F=1 response with V
#			(A)<N(R)<V(S) received
#			in Multiple frame
#			Established state (7.4)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending I frame.
DL74_I04	LAPD/MFO/S74/DL74_I	1214	Verify that the IUT
#	04		does not respond to a
#			REJ/F=1 response
#			received in Multiple
#			Frame Established state
#			(7.4). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state.
DL74_I05	LAPD/MFO/S74/DL74_I	1215	Verify that the IUT
#	05		retransmits an I frame

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Test Case Identifier	Test Case Reference		Description
DL74_IC6	LAPD/MFO/S74/DL74_I06	1216	in response to an REJ/F=1 response with V(A)≤N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT sends nothing in response to an RNR/F=1 response received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Busy state.
DL74_IC7	LAPD/MFO/S74/DL74_I07	1217	Verify that the IUT sends nothing in response to an RNR/F=1 response with V(A)≤N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Busy state.
DL75_V01	LAPD/MFO/S75/DL75_V01	1218	Verify that the IUT can send a SABME/P=1 in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1.
DL75_V03	LAPD/MFO/S75/DL75_V03	1219	Verify that the IUT does not send an I frame when V(S)<V(A)+k (ie. window is open) in Multiple Frame Established state (7.5).

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Test Case Identifier	Test Case Reference		Description
DL75_V04	LAPD/MFO/S75/DL75_V04	1220	. The IUT is expected to remain in Multiple Frame Established state after queuing the I frame. Verify that the IUT does not send an I frame (queued) when V(S)=V(A)+k (window is closed) in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending no response.
DL75_V08	LAPD/MFO/S75/DL75_V08	1221	Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending the UA/F=1.
DL75_V10	LAPD/MFO/S75/DL75_V10	1222	Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending UA/F=0.
DL75_V12	LAPD/MFO/S75/DL75_V12	1223	Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.5). The IUT is expected to enter TEI Assigned state after sending UA/F=1.

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Test Case Identifier	Test Case Reference		Description
DL75_V13 # # # # # #	LAPD/MFO/S75/DL75_V 13	1224	Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Multiple Frame Established state (7.5). The IUT is expected to enter TEI Assigned state after send UA/F=0.
DL75_V14 # # # # # #	LAPD/MFO/S75/DL75_V 14	1225	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1.
DL75_V16 # # # # # #	LAPD/MFO/S75/DL75_V 16	1226	Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state.
DL75_V17 # # # # # #	LAPD/MFO/S75/DL75_V 17	1227	Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_V20 # # # #	LAPD/MFO/S75/DL75_V 20	1228	Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.5).

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Test Case Identifier	Test Case Reference		Description
# # DL75_V21 # # # # # #	LAPD/MFO/S75/DL75_V 21	1229	. The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1. Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending no response.
DL75_V23 # # # # # #	LAPD/MFO/S75/DL75_V 23	1230	Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after send no response.
DL75_V24 # # # # # #	LAPD/MFO/S75/DL75_V 24	1231	Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL75_V25 # # # # # #	LAPD/MFO/S75/DL75_V 25	1232	Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
DL75_V26	LAPD/MFO/S75/DL75_V 26	1233	after sending I. Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V (A)<N(R)<V(S) received in Multiple Frame Established state (7.5) . The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL75_V27	LAPD/MFO/S75/DL75_V 27	1234	Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)=N(R) <V(S) received in Multiple Frame Established state (7.5) . The IUT is expected to remain in Multiple Frame Established state after sending the I frame.
DL75_V28	LAPD/MFO/S75/DL75_V 28	1235	Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V (A)=N(R)<V(S) received in Multiple Frame Established state (7.5) . The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL75_V29	LAPD/MFO/S75/DL75_V 29	1236	Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V (A)=N(R)<V(S) received in Multiple Frame Established state (7.5) . The IUT is expected to remain in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
DL75_V30	LAPD/MFO/S75/DL75_V 30	1237	after sending I frame. Verify that the IUT sends an RR/F=1 in response to a REJ/P=1 command received in Multiple Frame Established state (7.5) . The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL75_V31	LAPD/MFO/S75/DL75_V 31	1238	Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.5) . The IUT is expected to remain in Multiple Frame Established state.
DL75_V32	LAPD/MFO/S75/DL75_V 32	1239	Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state.
DL75_V33	LAPD/MFO/S75/DL75_V 33	1240	Verify that the IUT sends an RR/F=1 and retransmits an I frame in response to an REJ/P=1 command with V (A)<N(R)<V(S) received in Multiple Frame Established state (7.5) . The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL75_V34	LAPD/MFO/S75/DL75_V 34	1241	Verify that the IUT retransmits an I frame in response to an

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Test Case Identifier	Test Case Reference		Description
DL75_V45	LAPD/MFO/S75/DL75_V45	1250	Multiple Frame Established state after sending RR/F=1. Verify that the IUT sends an RR/F=0 in response to an I/P=0 received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0.
DL75_V46	LAPD/MFO/S75/DL75_V46	1251	Verify that the IUT sends an RR/F=1 in response to an I/P=1 with $N(S) < V(R)$ received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL75_V47	LAPD/MFO/S75/DL75_V47	1252	Verify that the IUT sends nothing in response to an I/P=0 with $N(S) < V(R)$ received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state.
DL75_V48	LAPD/MFO/S75/DL75_V48	1253	Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.5). The IUT is expected to enter Multiple Frame Established Peer receiver Busy state

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Test Case Identifier	Test Case Reference		Description
DL75_V49	LAPD/MFO/S75/DL75_V49	1254	after sending RR/F=1. Verify that the IUT sends a RR/F=0 in response to an I/P=0 received with $V(A) < N(R) < V(S)$ in Multiple Frame Established state (7.5). The IUT is expected to enter in Multiple Frame Established Peer receiver busy state after sending RR/F=0.
DL75_V50	LAPD/MFO/S75/DL75_V50	1255	Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with $V(A) < N(R) < V(S)$ and $N(S) < V(R)$ received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established Peer receiver Busy/Reject Recovery state after sending RR/F=1.
DL75_V51	LAPD/MFO/S75/DL75_V51	1256	Verify that the IUT sends nothing in response to an I/P=0 frame with $V(A) < N(R) < V(S)$ and $N(S) < V(R)$ received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established Peer receiver Busy/Reject Recovery state.
DL75_V52	LAPD/MFO/S75/DL75_V52	1257	Verify that the IUT sends a RR/F=1 in response to an I frame with $V(A) = N(R) < V(S)$ received in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
#			(7.5). The IUT is
#			expected to enter
#			Multiple Frame
#			Established Peer
#			Receiver Busy state
DL75_V53	LAPD/MFO/S75/DL75_V	1258	after sending RR/F=1.
#	53		Verify that the IUT
#			sends a RR/F=0 in
#			response to an I/P=0
#			received with V(A)=N(R)
#			<V(S) in Multiple Frame
#			Established state (7.5)
#			. The IUT is expected
#			to enter in Multiple
#			Frame Established Peer
#			Receiver Busy state
DL75_V54	LAPD/MFO/S75/DL75_V	1259	after sending RR/F=0.
#	54		Verify that the IUT
#			sends a RR/F=1 in
#			response to an I/P=1
#			frame with V(A)=N(R)<V
#			(S) and N(S)<>V(R)
#			received in Multiple
#			Frame Established state
#			(7.5). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established Peer
#			receiver Busy/Reject
#			Recovery state after
DL75_V55	LAPD/MFO/S75/DL75_V	1260	sending RR/F=1.
#	55		Verify that the IUT
#			sends nothing in
#			response to an I/P=0
#			frame with V(A)=N(R)<V
#			(S) and N(S)<>V(R)
#			received in Multiple
#			Frame Established state
#			(7.5). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established Peer
#			Receiver Busy/Reject
DL75_V56	LAPD/MFO/S75/DL75_V	1261	Recovery state.
#			Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
#			sends an RR/P=1 after a
#			T200 timeout in
#			Multiple Frame
#			Established state (7.5)
#			. The IUT is expected
#			to enter Timer Recovery
#			state (8.5) after
DL75_V57	LAPD/MFO/S75/DL75_V	1262	sending RR/P=1.
#	57		Verify that the IUT
#			sends an RNR/F=0 when
#			it sets OWN BUSY in
#			Multiple Frame
#			Established state (7.5)
#			. The IUT is expected
#			to enter Multiple Frame
#			Established Own Busy
#			state after sending
DL75_N01	LAPD/MFO/S75/DL75_N	1263	RNR/F=0.
#	01		Verify that the IUT
#			sends an RR/F=1 and
#			then sends a SABME/P=1
#			in response to an
#			RR/P=1 command with N
#			(R) error received in
#			Multiple Frame
#			Established state (7.5)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
DL75_N02	LAPD/MFO/S75/DL75_N	1264	SABME/P=1.
#	02		Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RR/P=0
#			command with an N(R)
#			error received in
#			Multiple frame
#			Established state (7.5)
#			. The IUT is expected
#			to enter Awaiting
#			establishment state
#			after sending
DL75_N03	LAPD/MFO/S75/DL75_N	1265	SABME/P=1.
#	03		Verify that the IUT
#			sends a SABME/P=1 in

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Test Case Identifier	Test Case Reference		Description
DL75_N04	LAPD/MFO/S75/DL75_N04	1266	response to an RR/F=1 response with an N(R) error received in Multiple Frame Established state (7.5) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an RR/F=0 with an N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_N05	LAPD/MFO/S75/DL75_N05	1267	Verify that the IUT sends an RR/F=1 and a SABME/P=1 in response to a REJ/P=1 command with a N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_N06	LAPD/MFO/S75/DL75_N06	1268	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 command with an N(R) error received in Multiple Frame Established state (7.5) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
DL75_N07	LAPD/MFO/S75/DL75_N07	1269	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 Response with an N(R) error received in Multiple Frame Established state (7.5) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_N08	LAPD/MFO/S75/DL75_N08	1270	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 Response with an N(R) error received in Multiple Frame Established state (7.5) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_N09	LAPD/MFO/S75/DL75_N09	1271	Verify that the IUT sends an RR/F=1 and a SABME/P=1 in response to an RNR/P=1 command with a N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_N10	LAPD/MFO/S75/DL75_N10	1272	Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame Established state (7.5) . The IUT is expected to enter Awaiting

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Test Case Identifier	Test Case Reference		Description
DL75_N19	LAPD/MFO/S75/DL75_N19	1281	Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a UA of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_N20	LAPD/MFO/S75/DL75_N20	1282	Verify that the IUT sends a SABME/P=1 in response to a DM of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_N21	LAPD/MFO/S75/DL75_N21	1283	Verify that the IUT sends a SABME/P=1 in response to a FRMR of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_N22	LAPD/MFO/S75/DL75_N22	1284	Verify that the IUT sends a SABME/P=1 in response to an RR of incorrect length received in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
DL75_N23	LAPD/MFO/S75/DL75_N23	1285	(7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an RNR of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_N24	LAPD/MFO/S75/DL75_N24	1286	Verify that the IUT sends a SABME/P=1 in response to a REJ of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_N25	LAPD/MFO/S75/DL75_N25	1287	Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL75_N26	LAPD/MFO/S75/DL75_N26	1288	Verify that the IUT sends a SABME/P=1 in response to an undefined command received in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
#			(7.5). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL75_N27	LAPD/MFO/S75/DL75_N	1289	SABME/P=1.
#	27		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a frame
#			with an invalid I field
#			received in Multiple
#			Frame Established state
#			(7.5). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL75_I01	LAPD/MFO/S75/DL75_I	1290	SABME/P=1.
#	01		Verify that the IUT
#			does not respond to an
#			RR/F=1 response
#			received in Multiple
#			Frame Established state
#			(7.5). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state after
#			sending no response.
DL75_I02	LAPD/MFO/S75/DL75_I	1291	Verify that the IUT
#	02		retransmits an I frame
#			in response to an
#			RR/F=1 response with V
#			(A)<N(R)<V(S) received
#			in Multiple Frame
#			Established state (7.5)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending I frame.
DL75_I03	LAPD/MFO/S75/DL75_I	1292	Verify that the IUT
#	03		retransmits an I frame
#			in response to an
#			RR/F=1 response with V
#			(A)<N(R)<V(S) received
#			in Multiple frame
#			Established state (7.5)
#			. The IUT is expected

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Test Case Identifier	Test Case Reference		Description
#			to remain in Multiple
#			Frame Established state
#			after sending I frame.
DL75_I04	LAPD/MFO/S75/DL75_I	1293	Verify that the IUT
#	04		does not respond to a
#			REJ/F=1 response
#			received in Multiple
#			Frame Established state
#			(7.5). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state.
DL75_I05	LAPD/MFO/S75/DL75_I	1294	Verify that the IUT
#	05		retransmits an I frame
#			in response to an
#			REJ/F=1 response with V
#			(A)<N(R)<V(S) received
#			in Multiple Frame
#			Established state (7.5)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending I frame.
DL75_I06	LAPD/MFO/S75/DL75_I	1295	Verify that the IUT
#	06		sends nothing in
#			response to an RNR/F=1
#			response received in
#			Multiple Frame
#			Established state (7.5)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established Peer
#			Busy state.
DL75_I07	LAPD/MFC/S75/DL75_I	1296	Verify that the IUT
#	07		sends nothing in
#			response to an RNR/F=1
#			response with V(A)<N
#			(R)<V(S) received in
#			Multiple Frame
#			Established state (7.5)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established Peer
#			Busy state.
DL76_V01	LAPD/MFO/S76/DL76_V	1297	Verify that the IUT can

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Test Case Identifier	Test Case Reference		Description
DL76_V03	LAPD/MFO/S76/DL76_V03	1298	send a SABME/P=1 in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1. Verify that the IUT does not send an I frame when $V(S) < V(A) + k$ (i.e. window is open) in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after queuing the I frame.
DL76_V04	LAPD/MFO/S76/DL76_V04	1299	verify that the IUT does not send an I frame (queued) when $V(S) = V(A) + k$ (window is closed) in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending no response. Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame established state after sending the UA/F=1.
DL76_V08	LAPD/MFO/S76/DL76_V08	1300	Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending the UA/F=0.
DL76_V10	LAPD/MFO/S76/DL76_V10	1301	Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
DL76_V12	LAPD/MFO/S76/DL76_V12	1302	(7.6). The IUT is expected to remain in Multiple Frame Established state after sending UA/F=0. Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.6). The IUT is expected to enter TEI Assigned state after sending UA/F=1.
DL76_V13	LAPD/MFO/S76/DL76_V13	1303	Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Multiple Frame Established state (7.6). The IUT is expected to enter TEI Assigned state after sending UA/F=0.
DL76_V14	LAPD/MFO/S76/DL76_V14	1304	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1.
DL76_V16	LAPD/MFO/S76/DL76_V16	1305	Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state.
DL76_V17	LAPD/MFO/S76/DL76_V17	1306	Verify that the IUT sends a SABME/P=1 after receiving a FRMR

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Test Case Identifier	Test Case Reference		Description
#			rejecting an RR in
#			Multiple Frame
#			Established state (7.6)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
#			SABME/P=1.
DL76_V20	LAPD/MFO/S76/DL76_V	1307	Verify that the IUT
#	20		sends an RNR/F=1 in
#			response to an RR/P=1
#			command received in
#			Multiple Frame
#			Established state (7.6)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending RNR/F=1.
DL76_V21	LAPD/MFO/S76/DL76_V	1308	Verify that the IUT
#	21		does not respond to an
#			RR/P=0 command received
#			in Multiple Frame
#			Established state (7.6)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending no
#			response.
DL76_V23	LAPD/MFO/S76/DL76_V	1309	Verify that the IUT
#	23		does not respond to an
#			RR/F=0 response
#			received in Multiple
#			Frame Established state
#			(7.6). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state after
#			send no response.
DL76_V24	LAPD/MFO/S76/DL76_V	1310	Verify that the IUT
#	24		sends an RNR/F=1 in
#			response to an RR/P=1
#			command with V(A)<N(R)
#			<V(S) received in
#			Multiple Frame
#			Established state (7.6)

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Test Case Identifier	Test Case Reference		Description
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending RR/F=1.
DL76_V25	LAPD/MFO/S76/DL76_V	1311	Verify that the IUT
#	25		retransmits an I frame
#			in response to an
#			RR/P=0 command with V
#			(A)<N(R)<V(S) received
#			in Multiple Frame
#			Established state (7.6)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending I.
DL76_V26	LAPD/MFO/S76/DL76_V	1312	Verify that the IUT
#	26		retransmits an I frame
#			in response to an
#			RR/F=0 response with V
#			(A)<N(R)<V(S) received
#			in Multiple Frame
#			Established state (7.6)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending I frame.
DL76_V27	LAPD/MFO/S76/DL76_V	1313	Verify that the IUT
#	27		sends an RNR/F=1 in
#			response to an RR/P=1
#			command with V(A)=N(R)
#			<V(S) received in
#			Multiple Frame
#			Established state (7.6)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending the I
#			frame.
DL76_V28	LAPD/MFO/S76/DL76_V	1314	Verify that the IUT
#	28		retransmits an I frame
#			in response to an
#			RR/P=0 command with V
#			(A)=N(R)<V(S) received
#			in Multiple Frame
#			Established state (7.6)

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Test Case Identifier	Test Case Reference		Description
DL76_V29	LAPD/MFO/S76/DL76_V 29	1315	. The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.6).
DL76_V30	LAPD/MFO/S76/DL76_V 30	1316	. The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT sends an RNR/F=1 response in response to a REJ/P=1 command received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DL76_V31	LAPD/MFO/S76/DL76_V 31	1317	Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state.
DL76_V32	LAPD/MFO/S76/DL76_V 32	1318	Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state.

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Test Case Identifier	Test Case Reference		Description
DL76_V33	LAPD/MFO/S76/DL76_V 33	1319	Verify that the IUT sends an RNR/F=1 and retransmits an I frame in response to an REJ/P=1 command with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.6).
DL76_V34	LAPD/MFO/S76/DL76_V 34	1320	. The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.6).
DL76_V35	LAPD/MFO/S76/DL76_V 35	1321	. The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT retransmits an I frame in response to an REJ/F=0 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.6).
DL76_V36	LAPD/MFO/S76/DL76_V 36	1322	. The IUT is expected to remain in Multiple Frame Established state after sending I Frame. Verify that the IUT sends a RNR/F=1 in response to an RNR/P=1 received in Multiple Frame Established state (7.6). The IUT is expected to enter Multiple Frame Established Peer Busy state after send RR/F=1.

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Test Case Identifier	Test Case Reference		Description
DL76_V37 # # # # # # #	LAPD/MFO/S76/DL76_V 37	1323	Verify the the IUT sends nothing in response to an RNR/P=0 received in Multiple Frame Established state (7.6). The IUT is expected to enter Multiple Frame Established Peer Busy state.
DL76_V39 # # # # # # #	LAPD/MFO/S76/DL76_V 39	1324	Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.6). the IUT is expected to enter Multiple Frame Established Peer Busy state.
DL76_V40 # # # # # # #	LAPD/MFO/S76/DL76_V 40	1325	Verify that the IUT sends an RNR/F=1 in response to an RNR/P=1 with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Busy state after sending RNR/F=1.
DL76_V41 # # # # # # #	LAPD/MFO/S76/DL76_V 41	1326	Verify the the IUT sends nothing in response to an RNR/P=0 with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.6). The IUT is expected to enter Multiple Frame Established Peer Busy state.
DL76_V43 # # # # # # #	LAPD/MFO/S76/DL76_V 43	1327	Verify that the IUT does not respond to an

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Test Case Identifier	Test Case Reference		Description
# # # # # # #			RNR/F=0 response with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.6). the IUT is expected to enter Multiple Frame Established Peer Busy state.
DL76_V44 # # # # # # #	LAPD/MFO/S76/DL76_V 44	1328	Verify that the IUT sends an RNR/F=1 in response to an I frame received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.
DL76_V45 # # # # # # #	LAPD/MFO/S76/DL76_V 45	1329	Verify that the IUT sends nothing in response to an I/P=0 received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=0.
DL76_V46 # # # # # # #	LAPD/MFO/S76/DL76_V 46	1330	Verify that the IUT sends an RNR/F=1 in response to an I/P=1 with $N(S) < V(R)$ received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Reject Recovery state after sending RNR/F=1.
DL76_V47 # # # # # # #	LAPD/MFO/S76/DL76_V 47	1331	Verify that the IUT sends nothing in response to an I/P=0 with $N(S) < V(R)$ received in Multiple

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Test Case Identifier	Test Case Reference		Description
DL76_V48	LAPD/MFO/S76/DL76_V48	1332	Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Reject recovery state. Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state after sending RNR/F=1.
DL76_V49	LAPD/MFO/S76/DL76_V49	1333	Verify that the IUT sends nothing in response to an I/P=0 received with V(A)<N(R)<V(S) in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state.
DL76_V50	LAPD/MFO/S76/DL76_V50	1334	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state after sending RNR/F=1.
DL76_V51	LAPD/MFO/S76/DL76_V	1335	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
DL76_V52	LAPD/MFO/S76/DL76_V52	1336	51 sends nothing in response to an I/P=0 frame with V(A)<N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state. Verify that the IUT sends a RNR/F=1 in response to an I frame with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state after sending RNR/F=1.
DL76_V53	LAPD/MFO/S76/DL76_V53	1337	Verify that the IUT sends nothing in response to an I/P=0 received with V(A)=N(R)<V(S) in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state.
DL76_V54	LAPD/MFO/S76/DL76_V54	1338	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)=N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.6). The IUT is expected to remain in

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Test Case Identifier	Test Case Reference		Description
#			Multiple Frame
#			Established Peer
#			Receiver Busy/Own Busy
#			state after sending
DL76_V55	LAPD/MFO/S76/DL76_V	1339	RNR/F=1.
#	55		Verify that the IUT
#			sends nothing in
#			response to an I/P=0
#			frame with V(A)=N(R)<V
#			(S) and N(S)<>V(R)
#			received in Multiple
#			Frame Established state
#			(7.6). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established Peer
#			Receiver Busy/Own Busy
DL76_V56	LAPD/MFO/S76/DL76_V	1340	state.
#	56		Verify that the IUT
#			sends an RNR/P=1 after
#			a T200 timeout in
#			Multiple Frame
#			Established state (7.6)
#			. The IUT is expected
#			to enter Timer Recovery
#			state (8.6) after
DL76_V58	LAPD/MFO/S76/DL76_V	1341	sending RNR/P=1.
#	58		Verify that the IUT
#			sends an RR/F=0 when it
#			clears OWN BUSY in
#			Multiple Frame
#			Established state (7.6)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established state
#			after sending RR/F=0.
DL76_N01	LAPD/MFO/S76/DL76_N	1342	Verify that the IUT
#	01		sends an RNR/F=1 and
#			then sends a SABME/P=1
#			in response to an
#			RR/P=1 command with N
#			(R) error received in
#			Multiple Frame
#			Established state (7.6)
#			. The IUT is expected

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Test Case Identifier	Test Case Reference		Description
#			to enter Awaiting
#			Establishment state
#			after sending
DL76_N02	LAPD/MFO/S76/DL76_N	1343	SABME/P=1.
#	02		Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RR/P=0
#			command with an N(R)
#			error received in
#			Multiple frame
#			Established state (7.6)
#			. The IUT is expected
#			to enter Awaiting
#			establishment state
#			after sending
DL76_N03	LAPD/MFO/S76/DL76_N	1344	SABME/P=1.
#	03		Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RR/F=1
#			response with an N(R)
#			error received in
#			Multiple Frame
#			Established state (7.6)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
DL76_N04	LAPD/MFO/S76/DL76_N	1345	SABME/P=1.
#	04		Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RR/F=0
#			with an N(R) error
#			received in Multiple
#			Frame Established state
#			(7.6). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
DL76_N05	LAPD/MFO/S76/DL76_N	1346	SABME/P=1.
#	05		Verify that the IUT
#			sends an RNR/F=1 and a
#			SABME/P=1 in response
#			to a REJ/P=1 command
#			with a N(R) error
#			received in Multiple

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Test Case Identifier	Test Case Reference		Description
DL76_N06	LAPD/MFO/S76/DL76_N06	1347	Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 command with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/F=1.
DL76_N07	LAPD/MFO/S76/DL76_N07	1348	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 Response with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL76_N08	LAPD/MFO/S76/DL76_N08	1349	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 Response with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL76_N09	LAPD/MFO/S76/DL76_N09	1350	Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response

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Test Case Identifier	Test Case Reference		Description
DL76_N10	LAPD/MFO/S76/DL76_N10	1351	to an RNR/P=1 command with a N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending a SABME/P=1.
DL76_N11	LAPD/MFO/S76/DL76_N11	1352	Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL76_N12	LAPD/MFO/S76/DL76_N12	1353	Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
DL76_N13 # # # # # # # # # #	LAPD/MFO/S76/DL76_N 13	1354	Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response to an I/P=1 frame with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL76_N14 # # # # # # # # # #	LAPD/MFO/S76/DL76_N 14	1355	Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL76_N15 # # # # # # # # # #	LAPD/MFO/S76/DL76_N 15	1356	Verify that the IUT sends an RNR/F=1 and sends a SABME/P=1 in response to an I/P=1 with an N(R) error and N(S)<>V(R) received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL76_N16 # # # # # # # # # #	LAPD/MFO/S76/DL76_N 16	1357	Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error and N(S)<>V(R) received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting

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Test Case Identifier	Test Case Reference		Description
DL76_N17 # # # # # # # # # #	LAPD/MFO/S76/DL76_N 17	1358	Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL76_N18 # # # # # # # # # #	LAPD/MFO/S76/DL76_N 18	1359	Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL76_N19 # # # # # # # # # #	LAPD/MFO/S76/DL76_N 19	1360	Verify that the IUT sends a SABME/P=1 in response to a UA of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL76_N20 # # # # # # # # # #	LAPD/MFO/S76/DL76_N 20	1361	Verify that the IUT sends a SABME/P=1 in response to a DM of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment

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Test Case Identifier	Test Case Reference		Description
#			state after sending
DL76_N21	LAPD/MFO/S76/DL76_N	1362	SABME/P=1.
#	21		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a FRMR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.6). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL76_N22	LAPD/MFO/S76/DL76_N	1363	Verify that the IUT
#	22		sends a SABME/P=1 in
#			response to an RR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.6). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL76_N23	LAPD/MFO/S76/DL76_N	1364	Verify that the IUT
#	23		sends a SABME/P=1 in
#			response to an RNR of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.6). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL76_N24	LAPD/MFO/S76/DL76_N	1365	Verify that the IUT
#	24		sends a SABME/P=1 in
#			response to a REJ of
#			incorrect length
#			received in Multiple
#			Frame Established state
#			(7.6). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending

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Test Case Identifier	Test Case Reference		Description
#			SABME/P=1.
DL76_N25	LAPD/MFO/S76/DL76_N	1366	Verify that the IUT
#	25		sends a SABME/P=1 in
#			response to an I frame
#			with excess length
#			(N201 error) received
#			in Multiple Frame
#			Established state (7.6)
#			. The IUT is expected
#			to enter Awaiting
#			Establishment state
#			after sending
#			SABME/P=1.
DL76_N26	LAPD/MFO/S76/DL76_N	1367	Verify that the IUT
#	26		sends a SABME/P=1 in
#			response to an
#			undefined command
#			received in Multiple
#			Frame Established state
#			(7.6). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL76_N27	LAPD/MFO/S76/DL76_N	1368	Verify that the IUT
#	27		sends a SABME/P=1 in
#			response to a frame
#			with an invalid I field
#			received in Multiple
#			Frame Established state
#			(7.6). The IUT is
#			expected to enter
#			Awaiting Establishment
#			state after sending
#			SABME/P=1.
DL76_I01	LAPD/MFO/S76/DL76_I	1369	Verify that the IUT
#	01		does not respond to an
#			RR/F=1 response
#			received in Multiple
#			Frame Established state
#			(7.6). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state after
#			sending no response.

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Test Case Identifier	Test Case Reference		Description
DL76_I02 # # # # # # # # # # DL76_I03 # # # # # # # # # # DL76_I04 # # # # # # # # # # DL76_I05 # # # # # # # # # # DL76_I06 # #	LAPD/MFO/S76/DL76_I 02 LAPD/MFO/S76/DL76_I 03 LAPD/MFO/S76/DL76_I 04 LAPD/MFO/S76/DL76_I 05 LAPD/MFO/S76/DL76_I 06	1370 1371 1372 1373 1374	Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state. Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Verify that the IUT sends nothing in response to an RNR/F=1

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Test Case Identifier	Test Case Reference		Description
# # # # # # DL76_I07 # # # # # # # # # # DL77_V01 # # # # # # DL77_V03 # # # # # # # # # # DL77_V04 # # # # # #	LAPD/MFO/S76/DL76_I 07 LAPD/MFO/S77/DL77_V 01 LAPD/MFO/S77/DL77_V 03 LAPD/MFO/S77/DL77_V 04	1375 1376 1377 1378	response received in Multiple Frame Established state (7.6). The IUT is expected to enter Multiple Frame Established Peer Busy state. Verify that the IUT sends nothing in response to an RNR/F=1 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to enter Multiple Frame Established Peer Busy state. Verify that the IUT can send a SABME/P=1 in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1. Verify that the IUT does not send an I frame when V(S)<V(A)+k (ie. window is open) in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after queuing the I frame. Verify that the IUT does not send an I frame (queued) when V(S)=V(A)+k (window is closed) in Multiple Frame Established state (7.0). The IUT is

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Test Case Identifier	Test Case Reference		Description
DL77_V08	LAPD/MFO/S77/DL77_V08	1379	expected to remain in Multiple Frame Established state after sending no response. Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending the UA/F=1. Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending UA/F=0.
DL77_V10	LAPD/MFO/S77/DL77_V10	1380	Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.7). The IUT is expected to enter TEI Assigned state after sending UA/F=1.
DL77_V12	LAPD/MFO/S77/DL77_V12	1381	Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Multiple Frame Established state (7.7). The IUT is expected to enter TEI Assigned state after sending UA/F=0.
DL77_V13	LAPD/MFO/S77/DL77_V13	1382	Verify that the IUT sends a UA/F=1 in response to a DM/F=1 in
DL77_V14	LAPD/MFO/S77/DL77_V14	1383	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in

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Test Case Identifier	Test Case Reference		Description
DL77_V16	LAPD/MFO/S77/DL77_V16	1384	Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1. Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state.
DL77_V17	LAPD/MFO/S77/DL77_V17	1385	Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_V20	LAPD/MFO/S77/DL77_V20	1386	Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.
DL77_V21	LAPD/MFO/S77/DL77_V21	1387	Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
# DL77_V23 # # # # # # #	LAPD/MFO/S77/DL77_V 23	1388	after sending no response. Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending no response.
# DL77_V24 # # # # # # #	LAPD/MFO/S77/DL77_V 24	1389	Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.
# DL77_V25 # # # # # # #	LAPD/MFO/S77/DL77_V 25	1390	Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I.
# DL77_V26 # # # # # # #	LAPD/MFO/S77/DL77_V 26	1391	Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.

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Test Case Identifier	Test Case Reference		Description
# DL77_V27 # # # # # # #	LAPD/MFO/S77/DL77_V 27	1392	Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending the I frame.
# DL77_V28 # # # # # # #	LAPD/MFO/S77/DL77_V 28	1393	Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
# DL77_V29 # # # # # # #	LAPD/MFO/S77/DL77_V 29	1394	Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
# DL77_V30 # # # # # # #	LAPD/MFO/S77/DL77_V 30	1395	Verify that the IUT sends an RNR/F=1 response in response to a REJ/P=1 command received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.

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Test Case Identifier	Test Case Reference		Description
DL77_V31	LAPD/MFO/S77/DL77_V31	1396	Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state.
DL77_V32	LAPD/MFO/S77/DL77_V32	1397	Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state.
DL77_V33	LAPD/MFO/S77/DL77_V33	1398	Verify that the IUT sends an RNR/F=1 and retransmits an I frame in response to an REJ/P=1 command with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL77_V34	LAPD/MFO/S77/DL77_V34	1399	Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL77_V35	LAPD/MFO/S77/DL77_V35	1400	Verify that the IUT retransmits an I frame in response to an

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Test Case Identifier	Test Case Reference		Description
DL77_V36	LAPD/MFO/S77/DL77_V36	1401	REJ/F=0 response with V(A) <= N(R) < V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I Frame. Verify that the IUT sends a RNR/F=1 in response to an RNR/P=1 received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Busy state after send RNR/F=1.
DL77_V37	LAPD/MFO/S77/DL77_V37	1402	Verify the the IUT sends nothing in response to an RNR/P=0 received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Busy state.
DL77_V39	LAPD/MFO/S77/DL77_V39	1403	Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.7). the IUT is expected to remain in Multiple Frame Established Peer Busy state.
DL77_V40	LAPD/MFO/S77/DL77_V40	1404	Verify that the IUT sends an RNR/F=1 in response to an RNR/P=1 with V(A) <= N(R) < V(S) received in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
#			(7.7). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established Peer Busy
#			state after sending
#			RNR/F=1.
DL77_V41	LAPD/MFO/S77/DL77_V	1405	Verify the the IUT
#	41		sends nothing in
#			response to an RNR/P=0
#			with $V(A) \leq N(R) < V(S)$
#			received in Multiple
#			Frame Established state
#			(7.7). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established Peer Busy
#			state.
DL77_V43	LAPD/MFO/S77/DL77_V	1406	Verify that the IUT
#	43		does not respond to an
#			RNR/F=0 response with V
#			$(A) \leq N(R) < V(S)$ received
#			in Multiple Frame
#			Established state (7.7)
#			. the IUT is expected
#			to remain in Multiple
#			Frame Established Peer
#			Busy state.
DL77_V44	LAPD/MFO/S77/DL77_V	1407	Verify that the IUT
#	44		sends an RNR/F=1 in
#			response to an I frame
#			received in Multiple
#			Frame Established state
#			(7.7). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established state after
#			sending RNR/F=1.
DL77_V45	LAPD/MFO/S77/DL77_V	1408	Verify that the IUT
#	45		sends nothing in
#			response to an I/P=0
#			received in Multiple
#			Frame Established state
#			(7.7). The IUT is
#			expected to remain in
#			Multiple Frame

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Test Case Identifier	Test Case Reference		Description
#			Established state.
DL77_V46	LAPD/MFO/S77/DL77_V	1409	Verify that the IUT
#	46		sends an RNR/F=1 in
#			response to an I/P=1
#			with $N(S) < V(R)$
#			received in Multiple
#			Frame Established state
#			(7.7). The IUT is
#			expected to remain in
#			Multiple Frame
#			Established Reject
#			Recovery state after
#			sending RNR/F=1.
DL77_V47	LAPD/MFO/S77/DL77_V	1410	Verify that the IUT
#	47		sends an nothing in
#			response to an I/P=0
#			with $N(S) < V(R)$
#			received in Multiple
#			Frame Established state
#			(7.7). The IUT is
#			expected to remain
#			Multiple Frame
#			Established state.
DL77_V48	LAPD/MFO/S77/DL77_V	1411	Verify that the IUT
#	48		sends a RNR/F=1 in
#			response to an I/P=1
#			frame with $V(A) < N(R) < V$
#			(S) received in
#			Multiple Frame
#			Established state (7.7)
#			. The IUT is expected
#			to remain in Multiple
#			Frame Established Peer
#			Receiver Busy/Reject
#			recovery & Own Busy
#			state after sending
#			RNR/F=1.
DL77_V49	LAPD/MFO/S77/DL77_V	1412	Verify that the IUT
#	49		sends nothing in
#			response to an I/P=0
#			received with $V(A) < N(R)$
#			$< V(S)$ in Multiple Frame
#			Established state (7.7)
#			. The IUT is expected
#			to remain in Multiple

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Test Case Identifier	Test Case Reference		Description
DL77_V50	LAPD/MFO/S77/DL77_V50	1413	Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state. Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state after sending RNR/F=1.
DL77_V51	LAPD/MFO/S77/DL77_V51	1414	Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)<N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state.
DL77_V52	LAPD/MFO/S77/DL77_V52	1415	Verify that the IUT sends a RNR/F=1 in response to an I frame with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject recovery & Own Busy

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Test Case Identifier	Test Case Reference		Description
DL77_V53	LAPD/MFO/S77/DL77_V53	1417	state after sending RNR/F=1. Verify that the IUT sends nothing in response to an I/P=0 received with V(A)=N(R)<V(S) in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state.
DL77_V54	LAPD/MFO/S77/DL77_V54	1418	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)=N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state after sending RNR/F=1.
DL77_V55	LAPD/MFO/S77/DL77_V55	1420	Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)=N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state.
DL77_V56	LAPD/MFO/S77/DL77_V56	1421	Verify that the IUT sends an RNR/F=1 after

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Test Case Identifier	Test Case Reference		Description
DL77_V58	LAPD/MFO/S77/DL77_V58	1422	a T200 timeout in Multiple Frame Established state (7.7). The IUT is expected to enter Timer Recovery state (8.7) after sending RNR/F=1. Verify that the IUT sends an RR/F=0 when it clears OWN BUSY in Multiple Frame Established state (7.7). The IUT is expected to enter Multiple Frame Established state after sending RR/F=0.
DL77_N01	LAPD/MFO/S77/DL77_N01	1423	Verify that the IUT sends an RNR/F=1 and then sends a SABME/P=1 in response to an RR/P=1 command with N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N02	LAPD/MFO/S77/DL77_N02	1424	Verify that the IUT sends a SABME/P=1 in response to an RR/P=0 command with an N(R) error received in Multiple frame Established state (7.7). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1.
DL77_N03	LAPD/MFO/S77/DL77_N03	1425	Verify that the IUT sends a SABME/P=1 in response to an RR/F=1 response with an N(R)

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Test Case Identifier	Test Case Reference		Description
DL77_N04	LAPD/MFO/S77/DL77_N04	1426	error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an RR/F=0 with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N05	LAPD/MFO/S77/DL77_N05	1427	Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response to a REJ/P=1 command with a N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N06	LAPD/MFO/S77/DL77_N06	1428	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 command with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N07	LAPD/MFO/S77/DL77_N07	1429	Verify that the IUT sends a SABME/P=1 in

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Test Case Identifier	Test Case Reference		Description
DL77_N08	LAPD/MFO/S77/DL77_N08	1430	response to a REJ/F=1 Response with an N(R) error received in Multiple Frame Established state (7.7) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 Response with an N(R) error received in Multiple Frame Established state (7.7) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N09	LAPD/MFO/S77/DL77_N09	1431	Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response to an RNR/P=1 command with a N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N10	LAPD/MFO/S77/DL77_N10	1432	Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame Established state (7.7) . The IUT is expected to enter Awaiting Establishment state after sending a

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Test Case Identifier	Test Case Reference		Description
DL77_N11	LAPD/MFO/S77/DL77_N11	1433	SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame Established state (7.7) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N12	LAPD/MFO/S77/DL77_N12	1434	Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame Established state (7.7) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N13	LAPD/MFO/S77/DL77_N13	1435	Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response to an I/P=1 frame with an N(R) error received in Multiple Frame Established state (7.7) . The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N14	LAPD/MFO/S77/DL77_N14	1436	Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter

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Test Case Identifier	Test Case Reference		Description
DL77_N15	LAPD/MFO/S77/DL77_N15	1437	Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends an RNR/F=1 and sends a SABME/P=1 in response to an I/P=1 with an N(R) error and N(S)<>V(R) received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N16	LAPD/MFO/S77/DL77_N16	1438	Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error and N(S)=V(R) received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N17	LAPD/MFO/S77/DL77_N17	1439	Verify that the IUT sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N18	LAPD/MFO/S77/DL77_N18	1440	Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state

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Test Case Identifier	Test Case Reference		Description
DL77_N19	LAPD/MFO/S77/DL77_N19	1441	(7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a UA of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N20	LAPD/MFO/S77/DL77_N20	1442	Verify that the IUT sends a SABME/P=1 in response to a DM of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N21	LAPD/MFO/S77/DL77_N21	1443	Verify that the IUT sends a SABME/P=1 in response to a FRMR of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N22	LAPD/MFO/S77/DL77_N22	1444	Verify that the IUT sends a SABME/P=1 in response to an RR of incorrect length received in Multiple Frame Established state (7.7). The IUT is

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Test Case Identifier	Test Case Reference		Description
DL77_N23	LAPD/MFO/S77/DL77_N23	1445	expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an RNR of incorrect length received in Multiple Frame Established state (7.7). the IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N24	LAPD/MFO/S77/DL77_N24	1446	Verify that the IUT sends a SABME/P=1 in response to a REJ of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N25	LAPD/MFO/S77/DL77_N25	1447	Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_N26	LAPD/MFO/S77/DL77_N26	1448	Verify that the IUT sends a SABME/P=1 in response to an undefined command received in Multiple Frame Established state (7.7). The IUT is

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Test Case Identifier	Test Case Reference		Description
DL77_N27	LAPD/MFO/S77/DL77_N27	1449	expected to enter Awaiting Establishment state after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a frame with an invalid I field received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DL77_I01	LAPD/MFO/S77/DL77_I01	1450	Verify that the IUT does not respond to an RR/F=1 response received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending no response.
DL77_I02	LAPD/MFO/S77/DL77_I02	1451	Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.
DL77_I03	LAPD/MFO/S77/DL77_I03	1452	Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple

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Test Case Identifier	Test Case Reference		Description
DL80_V13	LAPD/MFO/S80/DL80_V13	1463	response to a DISC/P=1 received in Timer Recovery state (8.0). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1. Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.0). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.
DL80_V14	LAPD/MFO/S80/DL80_V14	1464	Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_V15	LAPD/MFO/S80/DL80_V15	1465	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_V17	LAPD/MFO/S80/DL80_V17	1466	Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending

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Test Case Identifier	Test Case Reference		Description
DL80_V20	LAPD/MFO/S80/DL80_V20	1467	SABME/P=1. Verify that the IUT sends a RR/F=1 in response to a RR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.
DL80_V21	LAPD/MFO/S80/DL80_V21	1468	Verify that the IUT sends nothing in response to a RR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending nothing.
DL80_V22	LAPD/MFO/S80/DL80_V22	1469	Verify that the IUT sends nothing in response to a RR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Multiple Frame Established state (7.0).
DL80_V23	LAPD/MFO/S80/DL80_V23	1470	Verify that the IUT sends nothing in response to a RR/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0).
DL80_V24	LAPD/MFO/S80/DL80_V24	1471	Verify that the IUT sends a RR/F=1 in response to a REJ/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery

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Test Case Identifier	Test Case Reference		Description
# # DL80_V25 # # # # # # DL80_V26 # # # # # # DL80_V27 # # # # # # DL80_V28 # # # # # # DL80_V29 # # # #	LAPD/MFO/S80/DL80_V 25 LAPD/MFO/S80/DL80_V 26 LAPD/MFO/S80/DL80_V 27 LAPD/MFO/S80/DL80_V 28 LAPD/MFO/S80/DL80_V 29	1472 1473 1474 1475 1476	state (8.0) after sending RR/F=1. Verify that the IUT sends nothing in response to a REJ/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0). Verify that the IUT sends nothing in response to a REJ/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Multiple Frame Established state (7.0) . Verify that the IUT sends nothing in response to a REJ/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0). Verify that the IUT sends a RR/F=1 in response to a RNR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1. Verify that the IUT sends nothing in response to a RNR/P=0 (V_A<=N_R<=V_S) received in Timer

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Test Case Identifier	Test Case Reference		Description
# # # DL80_V30 # # # # # # DL80_V31 # # # # # # DL80_V32 # # # # # # DL80_V33 # # # # # # DL80_V34 # # # #	LAPD/MFO/S80/DL80_V 30 LAPD/MFO/S80/DL80_V 31 LAPD/MFO/S80/DL80_V 32 LAPD/MFO/S80/DL80_V 33 LAPD/MFO/S80/DL80_V 34	1477 1478 1479 1480 1481	Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.4). Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Multiple Frame Established state (7.4) . Verify that the IUT sends nothing in response to a RNR/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.4). Verify that the IUT sends a RR/F=1 in response to a I/P=1 received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1. Verify that the IUT RR/F=0 in response to a I/P=0 received in Timer Recovery state (8.0). The IUT is expected to remain in Timer Recovery state (8.0). Verify that the IUT sends a REJ/F=1 in response to a I/P=1 (N_S<>V_R, N_R=V_S) received in Timer recovery state (8.0).

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Test Case Identifier	Test Case Reference		Description
DL80_V35	LAPD/MFO/S80/DL80_V35	1482	The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=1. Verify that the IUT sends a REJ/F=0 in response to a I/P=0 (N_S<>V_R, N_R=V_S) received in Timer recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=0.
DL80_V36	LAPD/MFO/S80/DL80_V36	1483	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.
DL80_V37	LAPD/MFO/S80/DL80_V37	1484	Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.
DL80_V38	LAPD/MFO/S80/DL80_V38	1485	Verify that the IUT sends a REJ/F=1 in response to a I/P=1 (N_S<>V_R V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=1.
DL80_V39	LAPD/MFO/S80/DL80_V39	1486	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
DL80_V40	LAPD/MFO/S80/DL80_V40	1487	sends a REJ/F=0 in response to a I/P=0 (N_S<>V_R V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=0. Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.
DL80_V41	LAPD/MFO/S80/DL80_V41	1488	Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.
DL80_V42	LAPD/MFO/S80/DL80_V42	1489	Verify that the IUT sends a REJ/F=1 in response to a I/P=1 (N_S<>V_R V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=1.
DL80_V43	LAPD/MFO/S80/DL80_V43	1490	Verify that the IUT sends a REJ/F=0 in response to a I/P=0 (N_S<>V_R V_A<N_R<V_S) received in Timer Recovery state (8.0).

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Test Case Identifier	Test Case Reference		Description
#			The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=0.
#			Verify that the IUT sends a SABME/P=1 after timeout of T200 N200 times in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_V44	LAPD/MFO/S80/DL80_V44	1491	Verify that the IUT sends a RR/P=1 or retransmits I/P=1 after a timeout T200 (RC<N200,V_A<V_S) in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/P=1.
#			Verify that the IUT sends a RR/P=1 in response to a timeout T200 (RC<N200,V_A=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/P=1.
DL80_V45	LAPD/MFO/S80/DL80_V45	1492	Verify that the IUT sends a RNR/P=1 or RNR/F=0 when it sets OWN_BUSY in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery/Normal/ Own Busy state (8.2) after sending RNR/P=1.
#			Verify that the IUT sends a SABME/P=1 in
DL80_V46	LAPD/MFO/S80/DL80_V46	1493	
#			
DL80_V47	LAPD/MFO/S80/DL80_V47	1494	
#			
DL80_N01	LAPD/MFO/S80/DL80_N01	1495	

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Test Case Identifier	Test Case Reference		Description
#			response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N02	LAPD/MFO/S80/DL80_N02	1496	Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N03	LAPD/MFO/S80/DL80_N03	1497	Verify that the IUT sends a SABME/P=1 in response to a RR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N04	LAPD/MFO/S80/DL80_N04	1498	Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N05	LAPD/MFO/S80/DL80_N05	1499	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to

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Test Case Identifier	Test Case Reference		Description
DL80_N06	LAPD/MFO/S80/DL80_N06	1500	be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N07	LAPD/MFO/S80/DL80_N07	1501	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N08	LAPD/MFO/S80/DL80_N08	1502	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N09	LAPD/MFO/S80/DL80_N09	1503	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N10	LAPD/MFO/S80/DL80_N	1504	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
DL80_N11	LAPD/MFO/S80/DL80_N11	1505	sends a SABME/P=1 in response to a RNR/P=0 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a RNR/F=1 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N12	LAPD/MFO/S80/DL80_N12	1506	Verify that the IUT sends a SABME/P=1 in response to a RNR/F=0 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N13	LAPD/MFO/S80/DL80_N13	1507	Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S=V_R, N_R=V_S+K+1) received in timer recovery state (8.0). The IUT is expected to be in awaiting establishment state (5.1) after sending SABME/P=1.
DL80_N14	LAPD/MFO/S80/DL80_N14	1508	Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S=V_R, N_R=V_S+K+1) received in Timer

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Test Case Identifier	Test Case Reference		Description
#			Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N15	LAPD/MFO/S80/DL80_N15	1509	Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S<>V_R, N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N16	LAPD/MFO/S80/DL80_N16	1510	Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S<>V_R, N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N17	LAPD/MFO/S80/DL80_N17	1511	Verify that the IUT sends a SABME/P=1 in response to a SABME frame, with excess length received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N18	LAPD/MFO/S80/DL80_N18	1512	Verify that the IUT sends a SABME/P=1 in response to a DISC frame, with excess length, received in Timer Recovery state

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Test Case Identifier	Test Case Reference		Description
#			(8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N19	LAPD/MFO/S80/DL80_N19	1513	Verify that the IUT sends a SABME/P=1 in response to a UA frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N20	LAPD/MFO/S80/DL80_N20	1514	Verify that the IUT sends a SABME/P=1 in response to a DM frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N21	LAPD/MFO/S80/DL80_N21	1515	Verify that the IUT sends a SABME/P=1 in response to a FRMR frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N22	LAPD/MFO/S80/DL80_N22	1516	Verify that the IUT sends a SABME/P=1 in response to a RR frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to

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Test Case Identifier	Test Case Reference		Description
DL80_N23	LAPD/MFO/S80/DL80_N23	1517	be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a RNR frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N24	LAPD/MFO/S80/DL80_N24	1518	Verify that the IUT sends a SABME/P=1 in response to a REJ frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N25	LAPD/MFO/S80/DL80_N25	1519	Verify that the IUT sends a SABME/P=1 in response to a I frame with excess length (N201 error) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL80_N26	LAPD/MFO/S80/DL80_N26	1520	Verify that the IUT sends a SABME/P=1 in response to undefined frame received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
DL80_N27	LAPD/MFO/S80/DL80_N27	1521	1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a frame in error (I field not permitted) in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_V01	LAPD/MFO/S81/DL81_V01	1522	Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.
DL81_V03	LAPD/MFO/S81/DL81_V03	1523	Verify that the IUT does not send additional I frames in Timer Recovery state (8.1) even if $V_S < V_A + K$. The IUT is expected to remain in Timer Recovery state (8.1).
DL81_V04	LAPD/MFO/S81/DL81_V04	1524	Verify that the IUT does not send additional I frames in Timer Recovery state (8.1) when $V_S = V_A + K$ (window closed). The IUT is expected to remain in Timer Recovery state (8.1).
DL81_V08	LAPD/MFO/S81/DL81_V08	1525	Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer Recovery state (8.1).

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Test Case Identifier	Test Case Reference		Description
#			The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=1.
#			Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Timer
DL81_V10	LAPD/MFO/S81/DL81_V10	1526	Recovery state (8.1). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0.
#			Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer
#			Recovery state (8.1). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1.
DL81_V12	LAPD/MFO/S81/DL81_V12	1527	Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer
#			Recovery state (8.1). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.
DL81_V13	LAPD/MFO/S81/DL81_V13	1528	Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer
#			Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_V14	LAPD/MFO/S81/DL81_V14	1529	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer
#			Recovery state (8.1). The IUT is expected to be in Multiple Frame Established state (7.1).
DL81_V15	LAPD/MFO/S81/DL81_V15	1530	

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Test Case Identifier	Test Case Reference		Description
#			Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_V17	LAPD/MFO/S81/DL81_V17	1531	Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer
#			Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_V20	LAPD/MFO/S81/DL81_V20	1532	Verify that the IUT sends a RR/F=1 in response to a RR/P=1 (V_A <= N_R <= V_S) received in Timer
#			Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.
DL81_V21	LAPD/MFO/S81/DL81_V21	1533	Verify that the IUT sends nothing in response to a RR/F=0 (V_A <= N_R <= V_S) received in Timer
#			Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1).
DL81_V22	LAPD/MFO/S81/DL81_V22	1534	Verify that the IUT send nothing in response to a RR/F=1 (V_A <= N_R <= V_S) received in Timer
#			Recovery state (8.1). The IUT is expected to be in Multiple Frame Established state (7.1).

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Test Case Identifier	Test Case Reference		Description
DL81_V23 # # # # #	LAPD/MFO/S81/DL81_V 23	1535	Verify that the IUT sends nothing in response to a RR/F=0 (V _A<=N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1).
DL81_V24 # # # # #	LAPD/MFO/S81/DL81_V 24	1536	Verify that the IUT sends a RR/F=1 in response to a REJ/P=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.
DL81_V25 # # # # #	LAPD/MFO/S81/DL81_V 25	1537	Verify that the IUT sends nothing in response to a REJ/P=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) .
DL81_V26 # # # # #	LAPD/MFO/S81/DL81_V 26	1538	Verify that the IUT send nothing in response to a REJ/F=1 (V_A <=N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Multiple Frame Established state (7.1) .
DL81_V27 # # # # #	LAPD/MFO/S81/DL81_V 27	1539	Verify that the IUT sends nothing in response to a REJ/F=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to

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Test Case Identifier	Test Case Reference		Description
DL81_V28 # # # # #	LAPD/MFO/S81/DL81_V 28	1540	be in Timer Recovery state (8.1). Verify that the IUT sends a RR/F=1 in response to a RNR/P=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/F=1.
DL81_V29 # # # # #	LAPD/MFO/S81/DL81_V 29	1541	Verify that the IUT sends nothing in response to a RNR/P=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.5).
DL81_V30 # # # # #	LAPD/MFO/S81/DL81_V 30	1542	Verify that the IUT send nothing in response to a RNR/F=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Multiple Frame Established state (7.5) .
DL81_V31 # # # # #	LAPD/MFO/S81/DL81_V 31	1543	Verify that the IUT sends nothing in response to a RNR/F=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.5) .
DL81_V32 # # # # #	LAPD/MFO/S81/DL81_V 32	1544	Verify that the IUT sends a RR/F=1 in response to a I/P=1 received in Timer Recovery state (8.1).

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Test Case Identifier	Test Case Reference		Description
#			The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.
#			Verify that the IUT sends either a RR or an I frame to acknowledge an I/P=0 received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0).
DL81_V33	LAPD/MFO/S81/DL81_V33	1545	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S <> V_R, N_R = V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.
#			Verify that the IUT sends nothing in response to a I/P=0 (N_S <> V_R, N_R = V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1).
DL81_V34	LAPD/MFO/S81/DL81_V34	1546	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.
#			Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.
DL81_V35	LAPD/MFO/S81/DL81_V35	1547	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.
#			Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.
DL81_V36	LAPD/MFO/S81/DL81_V36	1548	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.
#			Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.
DL81_V37	LAPD/MFO/S81/DL81_V37	1549	Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.

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Test Case Identifier	Test Case Reference		Description
#			V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.
DL81_V38	LAPD/MFO/S81/DL81_V38	1550	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S <> V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.
#			Verify that the IUT sends nothing in response to a I/P=0 (N_S <> V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1).
DL81_V39	LAPD/MFO/S81/DL81_V39	1551	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.
#			Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.
DL81_V40	LAPD/MFO/S81/DL81_V40	1552	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.
#			Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.
DL81_V41	LAPD/MFO/S81/DL81_V41	1553	Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.

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Test Case Identifier	Test Case Reference		Description
DL81_V42	LAPD/MFO/S81/DL81_V42	1554	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S <> V_R, V_A=N_R<V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.
DL81_V43	LAPD/MFO/S81/DL81_V43	1555	Verify that the IUT sends nothing in response to a I/P=0 (N_S <> V_R, V_A=N_R<V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1).
DL81_V44	LAPD/MFO/S81/DL81_V44	1556	Verify that the IUT sends a SABME/P=1 after timeout of T200 N200 times in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_V45	LAPD/MFO/S81/DL81_V45	1557	Verify that the IUT sends a RR/P=1 or retransmits I/P=1 after a timeout T200 (RC<N200, V_A<V_S) in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/P=1 or I/P=1.
DL81_V46	LAPD/MFO/S81/DL81_V46	1558	Verify that the IUT sends a RR/P=1 in response to a timeout T200 (RC < N200, V_A = V_S) received in Timer Recovery state (8.1).

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Test Case Identifier	Test Case Reference		Description
DL81_V47	LAPD/MFO/S81/DL81_V47	1559	The IUT is expected to be in Timer Recovery state (8.1) after sending RR/P=1. Verify that the IUT sends a RNR/P=1 when it sets OWN_BUSY in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery 8.3 after sending RNR/P=1.
DL81_N01	LAPD/MFO/S81/DL81_N01	1560	Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N02	LAPD/MFO/S81/DL81_N02	1561	Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N03	LAPD/MFO/S81/DL81_N03	1562	Verify that the IUT sends a SABME/P=1 in response to a RR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N04	LAPD/MFO/S81/DL81_N04	1563	Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N

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Test Case Identifier	Test Case Reference		Description
#			R = V_S+K+1) received
#			in Timer Recovery state
#			(8.1). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
DL81_N05	LAPD/MFO/S81/DL81_N	1564	sending SABME/P=1.
#	05		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ/P=1
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.1).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL81_N06	LAPD/MFO/S81/DL81_N	1565	SABME/P=1.
#	06		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ/P=0
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.1).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL81_N07	LAPD/MFO/S81/DL81_N	1566	SABME/P=1.
#	07		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ/F=1
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.1).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL81_N08	LAPD/MFO/S81/DL81_N	1567	SABME/P=1.
#	08		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ/F=0
#			(N_R = V_S+K+1)
#			received in Timer

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Test Case Identifier	Test Case Reference		Description
#			Recovery state (8.1).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL81_N09	LAPD/MFO/S81/DL81_N	1568	SABME/P=1.
#	09		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/P=1
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.1).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL81_N10	LAPD/MFO/S81/DL81_N	1569	SABME/P=1.
#	10		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/P=0
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.1).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL81_N11	LAPD/MFO/S81/DL81_N	1570	SABME/P=1.
#	11		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/F=1
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.1).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL81_N12	LAPD/MFO/S81/DL81_N	1571	SABME/P=1.
#	12		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/F=0
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.1).

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Test Case Identifier	Test Case Reference		Description
DL81_N13	LAPD/MFO/S81/DL81_N13	1572	The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S = V_R, N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N14	LAPD/MFO/S81/DL81_N14	1573	Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S = V_R, N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N15	LAPD/MFO/S81/DL81_N15	1574	Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S <> V_R, N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N16	LAPD/MFO/S81/DL81_N16	1575	Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S <> V_R, N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is

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Test Case Identifier	Test Case Reference		Description
DL81_N17	LAPD/MFO/S81/DL81_N17	1576	expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a SABME with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N18	LAPD/MFO/S81/DL81_N18	1577	Verify that the IUT sends a SABME/P=1 in response to a DISC with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N19	LAPD/MFO/S81/DL81_N19	1578	Verify that the IUT sends a SABME/P=1 in response to a UA with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N20	LAPD/MFO/S81/DL81_N20	1579	Verify that the IUT sends a SABME/P=1 in response to a DM with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
DL81_N21 # # # # # # # # # # #	LAPD/MFO/S81/DL81_N 21	1580	Verify that the IUT sends a SABME/P=1 in response to a FRMR with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N22 # # # # # # # # # # #	LAPD/MFO/S81/DL81_N 22	1581	Verify that the IUT sends a SABME/P=1 in response to a RR with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N23 # # # # # # # # # # #	LAPD/MFO/S81/DL81_N 23	1582	Verify that the IUT sends a SABME/P=1 in response to a RNR with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N24 # # # # # # # # # # #	LAPD/MFO/S81/DL81_N 24	1583	Verify that the IUT sends a SABME/P=1 in response to a REJ with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N25 # # # # # # # # # # #	LAPD/MFO/S81/DL81_N 25	1584	Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received

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Test Case Identifier	Test Case Reference		Description
# # # # # # # # # # #			in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N26 # # # # # # # # # # #	LAPD/MFO/S81/DL81_N 26	1585	Verify that the IUT sends a SABME/P=1 in response to an undefined frame received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL81_N27 # # # # # # # # # # #	LAPD/MFO/S81/DL81_N 27	1586	Verify that the IUT sends a SABME/P=1 in response to a frame in error (I field not permitted) in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_V01 # # # # # # # # # # #	LAPD/MFO/S82/DL82_V 01	1587	Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.
DL82_V03 # # # # # # # # # # #	LAPD/MFO/S82/DL82_V 03	1588	Verify that the IUT does not send additional I frame in Timer Recovery state (8.2) even if V_S < V_A +K. The IUT is expected to be in Timer Recovery

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Test Case Identifier	Test Case Reference		Description
DL82_V04	LAPD/MFO/S82/DL82_V04	1589	state (8.2). Verify that the IUT does not send additional I frame in Timer Recovery state (8.2) when $V_S = V_A + K$ (window is closed). The IUT is expected to remain in Timer Recovery state (8.2).
DL82_V08	LAPD/MFO/S82/DL82_V08	1590	Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=1.
DL82_V10	LAPD/MFO/S82/DL82_V10	1591	Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0.
DL82_V12	LAPD/MFO/S82/DL82_V12	1592	Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.2). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1.
DL82_V13	LAPD/MFO/S82/DL82_V13	1593	Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.2). The IUT is expected to be in TEI Assigned state (4.0) after

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Test Case Identifier	Test Case Reference		Description
DL82_V14	LAPD/MFO/S82/DL82_V14	1594	sending UA/F=0. Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_V15	LAPD/MFO/S82/DL82_V15	1595	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_V17	LAPD/MFO/S82/DL82_V17	1596	Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_V20	LAPD/MFO/S82/DL82_V20	1597	Verify that the IUT sends a RNR/F=1 in response to a RR/P=1 ($V_A < N_R < V_S$) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.
DL82_V21	LAPD/MFO/S82/DL82_V21	1598	Verify that the IUT sends nothing in response to RR/P=0 ($V_A < N_R < V_S$) received in Timer

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Test Case Identifier	Test Case Reference		Description
#			Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).
#			Verify that the IUT sends nothing in response to a RR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.2).
DL82_V22	LAPD/MFO/S82/DL82_V22	1599	.
#			Verify that the IUT sends nothing in response to a RR/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).
#			Verify that the IUT sends a RNR/F=1 in response to a REJ/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.
DL82_V23	LAPD/MFO/S82/DL82_V23	1600	Verify that the IUT sends nothing in response to a REJ/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).
#			Verify that the IUT sends nothing in response to a REJ/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).
DL82_V24	LAPD/MFO/S82/DL82_V24	1601	Verify that the IUT sends nothing in response to a REJ/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).
#			Verify that the IUT sends nothing in response to a REJ/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).
DL82_V25	LAPD/MFO/S82/DL82_V25	1602	Verify that the IUT sends nothing in response to a REJ/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).
#			Verify that the IUT sends nothing in response to a REJ/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).
DL82_V26	LAPD/MFO/S82/DL82_V26	1603	Verify that the IUT sends nothing in response to a REJ/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).

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Test Case Identifier	Test Case Reference		Description
#			received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.2).
#			Verify that the IUT sends nothing in response to a REJ/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).
DL82_V27	LAPD/MFO/S82/DL82_V27	1604	Verify that the IUT sends a RNR/F=1 in response to a RNR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.6) after sending RNR/F=1.
#			Verify that the IUT sends nothing in response to a RNR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.6).
DL82_V28	LAPD/MFO/S82/DL82_V28	1605	Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.6).
#			Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.6).
DL82_V29	LAPD/MFO/S82/DL82_V29	1606	Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.6).
#			Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.6).
DL82_V30	LAPD/MFO/S82/DL82_V30	1608	Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.6).
#			Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.6).
DL82_V31	LAPD/MFO/S82/DL82_V31	1609	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
DL82_V32	LAPD/MFO/S82/DL82_V32	1610	sends nothing in response to RNR/F=0 (V_A<N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.6). Verify that the IUT sends a RNR/F=1 in response to a I/P=1 received in Timer Recovery state (8.2). The IUT is expected to be in timer recovery state (8.2) after sending RNR/F=1.
DL82_V33	LAPD/MFO/S82/DL82_V33	1611	Verify that the IUT sends nothing in response to a I/P=0 received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.
DL82_V34	LAPD/MFO/S82/DL82_V34	1612	Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.
DL82_V35	LAPD/MFO/S82/DL82_V35	1613	Verify that the IUT sends nothing in response to a I/P=0 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).
DL82_V36	LAPD/MFO/S82/DL82_V36	1614	Verify that the IUT sends a RNR/F=1 in

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Test Case Identifier	Test Case Reference		Description
DL82_V37	LAPD/MFO/S82/DL82_V37	1615	response to a I/P=1 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.
DL82_V38	LAPD/MFO/S82/DL82_V38	1616	Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S<>V_R V_A<N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.
DL82_V39	LAPD/MFO/S82/DL82_V39	1617	Verify that the IUT sends nothing in response to a I/P=0 (N_S<>V_R V_A<N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).
DL82_V40	LAPD/MFO/S82/DL82_V40	1618	Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S=V_R V_A=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after

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Test Case Identifier	Test Case Reference		Description
# DL82_V41 # # # # # # # DL82_V42 # # # # # # # DL82_V43 # # # # # # DL82_V44 # # # # # # DL82_V45 # # # #	LAPD/MFO/S82/DL82_V 41 LAPD/MFO/S82/DL82_V 42 LAPD/MFO/S82/DL82_V 43 LAPD/MFO/S82/DL82_V 44 LAPD/MFO/S82/DL82_V 45	1619 1620 1621 1622 1623	sending RNR/F=1. Verify that the IUT sends nothing in response to a I/P=0 (N_S=V_R V_A=N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2). Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S<>V_R V_A=N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1. Verify that the IUT sends nothing in response to a I/P=0 (N_S<>V_R V_A=N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2). Verify that the IUT sends a SABME/P=1 in response to a timeout T200 (RC=N200) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a RNR/P=1 or retransmits I/P=1 after a timeout T200 (RC<N200, V_A<V_S) in Timer Recovery state (8.2).

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Test Case Identifier	Test Case Reference		Description
# # # # DL82_V46 # # # # # # # DL82_V48 # # # # # # DL82_N01 # # # # # # DL82_N02 # # # # # # DL82_N03	LAPD/MFO/S82/DL82_V 46 LAPD/MFO/S82/DL82_V 48 LAPD/MFO/S82/DL82_N 01 LAPD/MFO/S82/DL82_N 02 LAPD/MFO/S82/DL82_N	1624 1625 1626 1627 1628	The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/P=1 or I/P=1. Verify that the IUT sends a RNR/P=1 in response to a timeout T200 (RC<N200,V_A=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/P=1. Verify that the IUT sends a RR/F=0 in response to a CLEAR_OWN _BUSY received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0. Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N _R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N _R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
#	03		sends a SABME/P=1 in response to a RR/F=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
#			Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N04	LAPD/MFO/S82/DL82_N04	1629	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
#			Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N05	LAPD/MFO/S82/DL82_N05	1630	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
#			Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N06	LAPD/MFO/S82/DL82_N06	1631	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
#			Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N07	LAPD/MFO/S82/DL82_N07	1632	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
#			expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N08	LAPD/MFO/S82/DL82_N08	1633	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
#			Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N09	LAPD/MFO/S82/DL82_N09	1634	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
#			Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N10	LAPD/MFO/S82/DL82_N10	1635	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
#			Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N11	LAPD/MFO/S82/DL82_N11	1636	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
#			Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N12	LAPD/MFO/S82/DL82_N12	1637	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
DL82_N21	LAPD/MFO/S82/DL82_N 21	1646	expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a FRMR with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N22	LAPD/MFO/S82/DL82_N 22	1647	Verify that the IUT sends a SABME/P=1 in response to a RR with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N23	LAPD/MFO/S82/DL82_N 23	1648	Verify that the IUT sends a SABME/P=1 in response to a RNR with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N24	LAPD/MFO/S82/DL82_N 24	1649	Verify that the IUT sends a SABME/P=1 in response to a REJ with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N25	LAPD/MFO/S82/DL82_N	1650	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
DL82_N26	LAPD/MFO/S82/DL82_N 26	1651	sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an undefined frame received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL82_N27	LAPD/MFO/S82/DL82_N 27	1652	Verify that the IUT sends a SABME/P=1 in response to a frame in error(I field not permitted) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_V01	LAPD/MFO/S83/DL83_V 01	1653	Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.
DL83_V03	LAPD/MFO/S83/DL83_V 03	1654	Verify that the IUT does not send additional I frames in

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Test Case Identifier	Test Case Reference		Description
#			Timer Recovery state
#			(8.3) even if $V_S < V_A + K$. The IUT is expected to be in Timer Recovery state (8.3).
DL83_V04	LAPD/MFO/S83/DL83_V04	1655	Verify that the IUT does not send additional I frames in Timer Recovery state (8.3) when $V_S = V_A + K$ (window is closed). The IUT is expected to remain in Timer Recovery state (8.3).
#			Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer Recovery state (8.3).
DL83_V08	LAPD/MFO/S83/DL83_V08	1656	The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=1.
#			Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Timer Recovery state (8.3).
DL83_V10	LAPD/MFO/S83/DL83_V10	1657	The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0.
#			Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.3).
DL83_V12	LAPD/MFO/S83/DL83_V12	1658	The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1.
#			Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.3).
DL83_V13	LAPD/MFO/S83/DL83_V13	1659	The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.

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Test Case Identifier	Test Case Reference		Description
#			Recovery state (8.3).
#			The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.
DL83_V14	LAPD/MFO/S83/DL83_V14	1660	Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.3).
#			The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_V15	LAPD/MFO/S83/DL83_V15	1661	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer Recovery state (8.3).
#			The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_V17	LAPD/MFO/S83/DL83_V17	1662	Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.3).
#			The IUT is expected to be in Awaiting establishment state (5.1) after sending SABME/P=1.
DL83_V20	LAPD/MFO/S83/DL83_V20	1663	Verify that the IUT sends a RNR/F=1 in response to a RR/P=1 ($V_A \leq N_R \leq V_S$) received in Timer Recovery state (8.3).
#			The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.

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Test Case Identifier	Test Case Reference		Description
DL83_V21	LAPD/MFO/S83/DL83_V 21	1664	Verify that the IUT sends nothing in response to a RR/P=0 (V _A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3).
DL83_V22	LAPD/MFO/S83/DL83_V 22	1665	Verify that the IUT sends nothing in response to a RR/F=1 (V _A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Multiple Frame Established state (7.3)
DL83_V23	LAPD/MFO/S83/DL83_V 23	1666	Verify that the IUT sends nothing in response to a RR/F=0 (V _A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3).
DL83_V24	LAPD/MFO/S83/DL83_V 24	1667	Verify that the IUT sends a RNR/F=1 in response to a REJ/P=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
DL83_V25	LAPD/MFO/S83/DL83_V 25	1668	Verify that the IUT sends nothing response to a REJ/P=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer

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Test Case Identifier	Test Case Reference		Description
DL83_V26	LAPD/MFO/S83/DL83_V 26	1669	Recovery state (8.3). Verify that the IUT sends nothing in response to a REJ/F=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Multiple Frame Established state (7.3)
DL83_V27	LAPD/MFO/S83/DL83_V 27	1670	Verify that the IUT sends nothing in response to a REJ/F=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3).
DL83_V28	LAPD/MFO/S83/DL83_V 28	1671	Verify that the IUT sends a RNR/F=1 in response to a RNR/P=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.7) after sending RNR/F=1.
DL83_V29	LAPD/MFO/S83/DL83_V 29	1672	Verify that the IUT sends nothing in response to a RNR/P=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.7).
DL83_V30	LAPD/MFO/S83/DL83_V 30	1673	Verify that the IUT sends nothing in response to a RNR/F=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3).

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Test Case Identifier	Test Case Reference		Description
#			The IUT is expected to be in Multiple Frame Established state (7.7).
#			.
DL83_V31	LAPD/MFO/S83/DL83_V31	1674	Verify that the IUT sends nothing in response to a RNR/F=0 ($V_A \leq N_R \leq V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.7).
#			Verify that the IUT sends a RNR/F=1 in response to a I/P=1 received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
DL83_V32	LAPD/MFO/S83/DL83_V32	1675	Verify that the IUT sends nothing in response to a I/P=0 received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
#			Verify that the IUT sends a RNR/F=1 in response to a I/P=1 ($N_S \leq V_R, N_R = V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
DL83_V33	LAPD/MFO/S83/DL83_V33	1676	Verify that the IUT sends nothing in response to a I/P=0 received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
#			Verify that the IUT sends a RNR/F=1 in response to a I/P=1 ($N_S \leq V_R, N_R = V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
DL83_V34	LAPD/MFO/S83/DL83_V34	1677	Verify that the IUT sends nothing in response to a I/P=0 ($N_S \leq V_R, N_R = V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
#			Verify that the IUT sends nothing in response to a I/P=0 ($N_S \leq V_R, N_R = V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
DL83_V35	LAPD/MFO/S83/DL83_V35	1678	Verify that the IUT sends nothing in response to a I/P=0 ($N_S \leq V_R, N_R = V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.

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Test Case Identifier	Test Case Reference		Description
#			Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3).
DL83_V36	LAPD/MFO/S83/DL83_V36	1679	Verify that the IUT sends a RNR/F=1 in response to a I/P=1 ($N_S = V_R, V_A < N_R < V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
#			Verify that the IUT sends nothing in response to a I/P=0 ($N_S = V_R, V_A < N_R < V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending nothing.
DL83_V37	LAPD/MFO/S83/DL83_V37	1680	Verify that the IUT sends a RNR/F=1 in response to a I/P=1 ($N_S \leq V_R, V_A < N_R < V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
#			Verify that the IUT sends nothing in response to a I/P=0 ($N_S \leq V_R, V_A < N_R < V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending nothing.
DL83_V38	LAPD/MFO/S83/DL83_V38	1681	Verify that the IUT sends a RNR/F=1 in response to a I/P=1 ($N_S \leq V_R, V_A < N_R < V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
#			Verify that the IUT sends nothing in response to a I/P=0 ($N_S \leq V_R, V_A < N_R < V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending nothing.
DL83_V39	LAPD/MFO/S83/DL83_V39	1682	Verify that the IUT sends nothing in response to a I/P=0 ($N_S \leq V_R, V_A < N_R < V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending nothing.
#			Verify that the IUT sends nothing in response to a I/P=0 ($N_S \leq V_R, V_A < N_R < V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending nothing.
DL83_V40	LAPD/MFO/S83/DL83_V40	1683	Verify that the IUT sends nothing in response to a I/P=0 ($N_S \leq V_R, V_A < N_R < V_S$) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending nothing.

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Test Case Identifier	Test Case Reference		Description
#	40		sends a RNR/F=1 in response to a I/P=1
#			(N_S = V_R V_A = N_R < V_S) received in Timer Recovery state (8.3).
#			The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
#			Verify that the IUT sends a nothing in response to a I/P=0
#			(N_S = V_R V_A = N_R < V_S) received in Timer Recovery state (8.3).
#			The IUT is expected to be in Timer Recovery state (8.3) after sending nothing.
#			Verify that the IUT sends a RNR/F=1 in response to a I/P=1
#			(N_S < V_R V_A = N_R < V_S) received in Timer Recovery state (8.3).
#			The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
#			Verify that the IUT sends nothing in response to an I/P=0 (N_S < V_R V_A = N_R < V_S) received in Timer Recovery state (8.3).
#			The IUT is expected to be in Timer Recovery state (8.3) after sending nothing.
#			Verify that the IUT sends a SABME/P=1 in response to a timeout T200 (RC = N200) received in Timer Recovery state (8.3).
DL83_V41	LAPD/MFO/S83/DL83_V 41	1684	
DL83_V42	LAPD/MFO/S83/DL83_V 42	1685	
DL83_V43	LAPD/MFO/S83/DL83_V 43	1686	
DL83_V44	LAPD/MFO/S83/DL83_V 44	1687	

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Test Case Identifier	Test Case Reference		Description
#			The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
#			Verify that the IUT sends a RNR/P=1 or retransmits I/P=1 after a timeout T200 (RC < N200, V_A < V_S) in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/P=1 or I/P=1.
#			Verify that the IUT sends a RNR/P=1 in response to a timeout T200 (RC < N200, V_A = V_S) received in Timer Recovery state (8.3).
#			The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/P=1.
#			Verify that the IUT sends a RR/F=0 in response to a CLEAR_OWN_BUSY received in Timer Recovery state (8.3).
#			The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=0.
#			Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_V45	LAPD/MFO/S83/DL83_V 45	1688	
DL83_V46	LAPD/MFO/S83/DL83_V 46	1689	
DL83_V48	LAPD/MFO/S83/DL83_V 48	1690	
DL83_N01	LAPD/MFO/S83/DL83_N 01	1691	

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Test Case Identifier	Test Case Reference		Description
DL83_N02	LAPD/MFO/S83/DL83_N02	1692	Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N03	LAPD/MFO/S83/DL83_N03	1693	Verify that the IUT sends a SABME/P=1 in response to a RR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N04	LAPD/MFO/S83/DL83_N04	1694	Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N05	LAPD/MFO/S83/DL83_N05	1695	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N06	LAPD/MFO/S83/DL83_N06	1696	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1)

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Test Case Identifier	Test Case Reference		Description
DL83_N07	LAPD/MFO/S83/DL83_N07	1697	received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N08	LAPD/MFO/S83/DL83_N08	1698	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N09	LAPD/MFO/S83/DL83_N09	1699	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N10	LAPD/MFO/S83/DL83_N10	1700	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R = V_S+K+1) received in Timer

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Test Case Identifier	Test Case Reference		Description
DL83_N11	LAPD/MFO/S83/DL83_N11	1701	Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a RNR/F=1 ($N_R = V_S + K + 1$) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N12	LAPD/MFO/S83/DL83_N12	1702	Verify that the IUT sends a SABME/P=1 in response to a RNR/F=0 ($N_R = V_S + K + 1$) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N13	LAPD/MFO/S83/DL83_N13	1703	Verify that the IUT sends a SABME/P=1 in response to a I/P=1 ($N_S = V_R$, $N_R = V_S + K + 1$) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N14	LAPD/MFO/S83/DL83_N14	1704	Verify that the IUT sends a SABME/P=1 in response to a I/P=0 ($N_S = V_R$, $N_R = V_S + K + 1$) received in Timer Recovery state (8.3).

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Test Case Identifier	Test Case Reference		Description
DL83_N15	LAPD/MFO/S83/DL83_N15	1705	The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a I/P=1 ($N_S \neq V_R$, $N_R = V_S + K + 1$) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N16	LAPD/MFO/S83/DL83_N16	1706	Verify that the IUT sends a SABME/P=1 in response to a I/P=0 ($N_S \neq V_R$, $N_R = V_S + K + 1$) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N17	LAPD/MFO/S83/DL83_N17	1707	Verify that the IUT sends a SABME/P=1 in response to a SABME frame, with excess length, received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL83_N18	LAPD/MFO/S83/DL83_N18	1708	Verify that the IUT sends a SABME/P=1 in response to a DISC frame, with excess length, received in Timer Recovery state (8.3). The IUT is

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Test Case Identifier	Test Case Reference		Description
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
DL83_N19	LAPD/MFO/S83/DL83_N	1709	sending SABME/P=1.
#	19		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a UA frame,
#			with excess length,
#			received in Timer
#			Recovery state (8.3).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL83_N20	LAPD/MFO/S83/DL83_N	1710	SABME/P=1.
#	20		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a DM frame,
#			with excess length,
#			received in Timer
#			Recovery state (8.3).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL83_N21	LAPD/MFO/S83/DL83_N	1711	SABME/P=1.
#	21		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a FRMR
#			frame, with excess
#			length, received in
#			Timer Recovery state
#			(8.3). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
#			sending SABME/P=1.
DL83_N22	LAPD/MFO/S83/DL83_N	1712	Verify that the IUT
#	22		sends a SABME/P=1 in
#			response to a RR frame,
#			with excess length,
#			received in Timer
#			Recovery state (8.3).
#			The IUT is expected to
#			be in Awaiting

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Test Case Identifier	Test Case Reference		Description
#			Establishment state (5.
#			1) after sending
DL83_N23	LAPD/MFO/S83/DL83_N	1713	SABME/P=1.
#	23		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR frame
#			, with excess length,
#			received in Timer
#			Recovery state (8.3).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL83_N24	LAPD/MFO/S83/DL83_N	1714	SABME/P=1.
#	24		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ frame
#			, with excess length,
#			received in Timer
#			Recovery state (8.3).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL83_N25	LAPD/MFO/S83/DL83_N	1715	SABME/P=1.
#	25		Verify that the IUT
#			sends a SABME/P=1 in
#			response to an I frame
#			with excess length
#			(N201 error) received
#			in Timer Recovery state
#			(8.3). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
#			sending SABME/P=1.
DL83_N26	LAPD/MFO/S83/DL83_N	1716	Verify that the IUT
#	26		sends a SABME/P=1 in
#			response to an
#			undefined frame
#			received in Timer
#			Recovery state (8.3).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.

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Test Case Identifier	Test Case Reference		Description
DL83_N27	LAPD/MFO/S83/DL83_N27	1717	1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a frame in error(I field not permitted) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL84_V01	LAPD/MFO/S84/DL84_V01	1718	Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.4).The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.
DL84_V03	LAPD/MFO/S84/DL84_V03	1719	Verify that the IUT does not send additional I Frames in Timer Recovery state (8.4) even if V_S<V_A+K. The IUT is expected to remain in Timer Recovery state (8.4).
DL84_V04	LAPD/MFO/S84/DL84_V04	1720	Verify that the IUT does not send additional I Frames in Timer Recovery state (8.4) when V_S=V_A+K (window is closed) The IUT is expected to remain in Timer Recovery state (8.4).
DL84_V08	LAPD/MFO/S84/DL84_V08	1721	Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer

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Test Case Identifier	Test Case Reference		Description
DL84_V10	LAPD/MFO/S84/DL84_V10	1722	Recovery state (8.4). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=1. Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Timer Recovery state (8.4). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0.
DL84_V12	LAPD/MFO/S84/DL84_V12	1723	Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.4). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1.
DL84_V13	LAPD/MFO/S84/DL84_V13	1724	Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.4). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.
DL84_V14	LAPD/MFO/S84/DL84_V14	1725	Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL84_V15	LAPD/MFO/S84/DL84_V15	1726	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0

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Test Case Identifier	Test Case Reference		Description
#			received in Timer
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL84_V17	LAPD/MFO/S84/DL84_V	1727	SABME/P=1.
#	17		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a FRMR/F=1
#			received in Timer
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL84_V20	LAPD/MFO/S84/DL84_V	1728	SABME/P=1.
#	20		Verify that the IUT
#			sends a RR/F=1 in
#			response to a RR/P=1 (V
#			_A<=N_R<=V_S) received
#			in Timer Recovery state
#			(8.4). The IUT is
#			expected to be in Timer
#			Recovery state (8.0)
DL84_V21	LAPD/MFO/S84/DL84_V	1729	after sending RR/F=1.
#	21		Verify that the IUT
#			sends nothing in
#			response to a RR/P=0 (V
#			_A<=N_R<=V_S) received
#			in Timer Recovery state
#			(8.4). The IUT is
#			expected to be in Timer
DL84_V22	LAPD/MFO/S84/DL84_V	1730	Recovery state (8.0).
#	22		Verify that the IUT
#			sends nothing in
#			response to a RR/F=1 (V
#			_A<=N_R<=V_S) received
#			in Timer Recovery state
#			(8.4). The IUT is
#			expected to be in
#			Multiple Frame
#			Established state (7.0)
DL84_V23	LAPD/MFO/S84/DL84_V	1731	.
			Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
#	23		sends nothing in
#			response to a RR/F=0 (V
#			_A<=N_R<=V_S) received
#			in Timer Recovery state
#			(8.4). The IUT is
DL84_V24	LAPD/MFO/S84/DL84_V	1732	expected to be in Timer
#	24		Recovery state (8.0).
#			Verify that the IUT
#			sends a RR/F=1 in
#			response to a REJ/P=1
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Timer Recovery
#			state (8.0) after
DL84_V25	LAPD/MFO/S84/DL84_V	1733	sending RR/F=1.
#	25		Verify that the IUT
#			sends nothing in
#			response to a REJ/P=0
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Timer Recovery
DL84_V26	LAPD/MFO/S84/DL84_V	1734	state (8.0).
#	26		Verify that the IUT
#			sends nothing in
#			response to a REJ/F=1
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Multiple Frame
#			Established state (7.0)
DL84_V27	LAPD/MFO/S84/DL84_V	1735	.
#	27		Verify that the IUT
#			sends nothing in
#			response to a REJ/F=0
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Timer Recovery
#			state (8.0).

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Test Case Identifier	Test Case Reference		Description
DL84_V28	LAPD/MFO/S84/DL84_V28	1736	Verify that the IUT sends a RR/F=1 in response to a RNR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1.
DL84_V29	LAPD/MFO/S84/DL84_V29	1737	Verify that the IUT sends nothing in response to a RNR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4).
DL84_V30	LAPD/MFO/S84/DL84_V30	1738	Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Multiple Frame Established state (7.4).
DL84_V31	LAPD/MFO/S84/DL84_V31	1739	Verify that the IUT sends nothing in response to a RNR/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4).
DL84_V32	LAPD/MFO/S84/DL84_V32	1740	Verify that the IUT sends a RR/F=1 in response to a I/P=1 received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery

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Test Case Identifier	Test Case Reference		Description
DL84_V33	LAPD/MFO/S84/DL84_V33	1741	state (8.4) after sending RR/F=1. Verify that the IUT sends a RR/F=0 in response to a I/P=0 received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=0.
DL84_V34	LAPD/MFO/S84/DL84_V34	1742	Verify that the IUT sends a REJ/F=1 in response to a I/P=1 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.5) after sending REJ/F=1.
DL84_V35	LAPD/MFO/S84/DL84_V35	1743	Verify that the IUT sends a REJ/F=0 in response to a I/P=0 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.5) after sending REJ/F=0.
DL84_V36	LAPD/MFO/S84/DL84_V36	1744	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1.
DL84_V37	LAPD/MFO/S84/DL84_V37	1745	Verify that the IUT sends a RR/F=0 in response to a I/P=0 (N_S=V_R V_A<N_R<V_S)

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Test Case Identifier	Test Case Reference		Description
"			The IUT is expected to be in Timer Recovery state (8.4) after sending RR/P=1
"			Verify that the IUT sends a RNR/P=1 in response to a SET_OWN_BUSY received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.6) after sending RNR/P=1.
DL84_V47	LAPD/MFO/S84/DL84_V47	1755	Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
"			Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL84_N01	LAPD/MFO/S84/DL84_N01	1756	Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
"			Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL84_N02	LAPD/MFO/S84/DL84_N02	1757	Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
"			Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL84_N03	LAPD/MFO/S84/DL84_N03	1758	Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
"			Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL84_N04	LAPD/MFO/S84/DL84_N04	1759	Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
"			response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL84_N05	LAPD/MFO/S84/DL84_N05	1760	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
"			Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL84_N06	LAPD/MFO/S84/DL84_N06	1761	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
"			Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL84_N07	LAPD/MFO/S84/DL84_N07	1762	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
"			Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL84_N08	LAPD/MFO/S84/DL84_N08	1763	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
#			received in Timer
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL84_N09	LAPD/MFO/S84/DL84_N	1764	SABME/P=1.
#	09		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/P=1
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL84_N10	LAPD/MFO/S84/DL84_N	1765	SABME/P=1.
#	10		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/P=0
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL84_N11	LAPD/MFO/S84/DL84_N	1766	SABME/P=1.
#	11		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/F=1
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL84_N12	LAPD/MFO/S84/DL84_N	1767	SABME/P=1.
#	12		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/F=0
#			(N_R = V_S+K+1)
#			received in Timer

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Test Case Identifier	Test Case Reference		Description
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL84_N13	LAPD/MFO/S84/DL84_N	1768	SABME/P=1.
#	13		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a I/P=1
#			(N_S=V_R, N_R =
#			V_S+K+1) received in
#			Timer Recovery state
#			(8.4). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
DL84_N14	LAPD/MFO/S84/DL84_N	1769	sending SABME/P=1.
#	14		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a I/P=0
#			(N_S=V_R, N_R =
#			V_S+K+1) received in
#			Timer Recovery state
#			(8.4). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
DL84_N15	LAPD/MFO/S84/DL84_N	1770	sending SABME/P=1.
#	15		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a I/P=1
#			(N_S<>V_R, N_R =
#			V_S+K+1) received in
#			Timer Recovery state
#			(8.4). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
DL84_N16	LAPD/MFO/S84/DL84_N	1771	sending SABME/P=1.
#	16		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a I/P=0
#			(N_S<>V_R, N_R =
#			V_S+K+1) received in
#			Timer Recovery state

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Test Case Identifier	Test Case Reference		Description
DL84_N17	LAPD/MFC/S84/DL84_N 17	1772	(8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a SABME/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a DISC/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a UA/F=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is
DL84_N18	LAPD/MFC/S84/DL84_N 18	1773	Verify that the IUT sends a SABME/P=1 in response to a DISC/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a UA/F=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is
DL84_N19	LAPD/MFC/S84/DL84_N 19	1774	Verify that the IUT sends a SABME/P=1 in response to a UA/F=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is
DL84_N20	LAPD/MFC/S84/DL84_N 20	1775	Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is

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Test Case Identifier	Test Case Reference		Description
DL84_N21	LAPD/MFC/S84/DL84_N 21	1776	expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in
DL84_N22	LAPD/MFC/S84/DL84_N 22	1777	Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is
DL84_N23	LAPD/MFC/S84/DL84_N 23	1778	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is
DL84_N24	LAPD/MFC/S84/DL84_N 24	1779	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is

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Test Case Identifier	Test Case Reference		Description
#			Awaiting Establishment
#			state (5.1) after
#			sending SABME/P=1.
DL84_N25	LAPD/MFO/S84/DL84_N	1780	Verify that the IUT
#	25		sends a SABME/P=1 in
#			response to an I frame
#			with excess length
#			(N201 error) received
#			in Timer Recovery state
#			(8.4). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
#			sending SABME/P=1.
DL84_N26	LAPD/MFO/S84/DL84_N	1781	Verify that the IUT
#	26		sends a SABME/P=1 in
#			response to an
#			undefined command frame
#			received in Timer
#			Recovery state (8.4).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
#			SABME/P=1.
DL84_N27	LAPD/MFO/S84/DL84_N	1782	Verify that the IUT
#	27		sends a SABME/P=1 in
#			response to a frame
#			with error (I field not
#			permitted) received in
#			Timer Recovery state
#			(8.4). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
#			sending SABME/P=1.
DL85_V01	LAPD/MFO/S85/DL85_V	1783	Verify that the IUT
#	01		sends a SABME/P=1 in
#			response to a
#			DL_EST_REQUEST received
#			in Timer Recovery state
#			(8.5). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.0) after

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Test Case Identifier	Test Case Reference		Description
#			sending SABME/P=1.
DL85_V03	LAPD/MFO/S85/DL85_V	1784	Verify that the IUT
#	03		does not sent
#			additional I frames in
#			Timer Recovery state
#			(8.5) even if $V_S < V_A$
#			+K. The IUT is expected
#			to remain in Timer
#			Recovery state (8.5).
DL85_V04	LAPD/MFO/S85/DL85_V	1785	Verify that the IUT
#	04		sends nothing in
#			response to a I
#			($V_S = V_A + K$) in queue in
#			Timer Recovery state
#			(8.5). The IUT is
#			expected to be in Timer
#			Recovery state (8.5).
DL85_V08	LAPD/MFO/S85/DL85_V	1786	Verify that the IUT
#	08		sends a UA/F=1 in
#			response to a SABME/P=1
#			received in Timer
#			Recovery state (8.5).
#			The IUT is expected to
#			be in multiple frame
#			established state (7.0)
#			after sending UA/F=1.
DL85_V10	LAPD/MFO/S85/DL85_V	1787	Verify that the IUT
#	10		sends a UA/F=0 in
#			response a SABME/P=0
#			received in Timer
#			Recovery state (8.5).
#			The IUT is expected to
#			be in multiple frame
#			established state (7.0)
#			after sending UA/F=0.
DL85_V12	LAPD/MFO/S85/DL85_V	1788	Verify that the IUT
#	12		sends a UA/F=1 in
#			response to a DISC/P=1
#			received in Timer
#			Recovery state (8.5).
#			The IUT is expected to
#			be in TEI Assigned
#			state (4.0) after
#			sending UA/F=1.
DL85_V13	LAPD/MFO/S85/DL85_V	1789	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
"	13		sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.5). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.
DL85_V14	LAPD/MFO/S85/DL85_V14	1790	Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_V15	LAPD/MFO/S85/DL85_V15	1791	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_V17	LAPD/MFO/S85/DL85_V17	1792	Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_V20	LAPD/MFO/S85/DL85_V20	1793	Verify that the IUT sends a RR/F=1 in response to a RR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer

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Test Case Identifier	Test Case Reference		Description
DL85_V21	LAPD/MFO/S85/DL85_V21	1794	Recovery state (8.1) after sending RR/F=1. Verify that the IUT sends nothing in response to a RR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.1).
DL85_V22	LAPD/MFO/S85/DL85_V22	1795	Verify that the IUT sends nothing in response to a RR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in multiple frame established state (7.1).
DL85_V23	LAPD/MFO/S85/DL85_V23	1796	Verify that the IUT sends nothing in response to a RR/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.1).
DL85_V24	LAPD/MFO/S85/DL85_V24	1797	Verify that the IUT sends a RR/F=1 in response to a REJ/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.
DL85_V25	LAPD/MFO/S85/DL85_V25	1798	Verify that the IUT sends nothing in response to a REJ/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to

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Test Case Identifier	Test Case Reference		Description
#			be in Timer Recovery state (8.1) .
DL85_V26	LAPD/MFO/S85/DL85_V 26	1799	Verify that the IUT sends nothing in response to a REJ/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in multiple frame established state (7.1) .
#			
DL85_V27	LAPD/MFO/S85/DL85_V 27	1800	Verify that the IUT sends nothing in response to a REJ/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.1) .
#			
DL85_V28	LAPD/MFO/S85/DL85_V 28	1801	Verify that the IUT sends a RR/F=1 in response to a RNR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/F=1.
#			
DL85_V29	LAPD/MFO/S85/DL85_V 29	1802	Verify that the IUT sends nothing in response to a RNR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) .
#			
DL85_V30	LAPD/MFO/S85/DL85_V 30	1803	Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer
#			

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Test Case Identifier	Test Case Reference		Description
#			Recovery state (8.5). The IUT is expected to be in multiple frame established state (7.5) .
DL85_V31	LAPD/MFO/S85/DL85_V 31	1804	Verify that the IUT sends nothing in response to a RNR/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) .
#			
DL85_V32	LAPD/MFO/S85/DL85_V 32	1805	Verify that the IUT sends a RR/F=1 in response to a I/P=1 received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1.
#			
DL85_V33	LAPD/MFO/S85/DL85_V 33	1806	Verify that the IUT sends a RR/F=0 in response to a I/P=0 received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=0.
#			
DL85_V34	LAPD/MFO/S85/DL85_V 34	1807	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/F=1.
#			
DL85_V35	LAPD/MFO/S85/DL85_V 35	1808	Verify that the IUT sends nothing in response to a I/P=0
#			

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Test Case Identifier	Test Case Reference		Description
DL85_V36	LAPD/MFO/S85/DL85_V36	1809	(N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5). Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1.
DL85_V37	LAPD/MFO/S85/DL85_V37	1810	Verify that the IUT sends a RR/F=0 in response to a I/P=0 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=0.
DL85_V38	LAPD/MFO/S85/DL85_V38	1811	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S<>V_R V_A<N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/F=1.
DL85_V39	LAPD/MFO/S85/DL85_V39	1812	Verify that the IUT sends nothing in response to a I/P=0 (N_S<>V_R V_A<N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5).

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Test Case Identifier	Test Case Reference		Description
DL85_V40	LAPD/MFO/S85/DL85_V40	1813	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S=V_R V_A=N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1.
DL85_V41	LAPD/MFO/S85/DL85_V41	1814	Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S=V_R V_A=N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=0.
DL85_V42	LAPD/MFO/S85/DL85_V42	1815	Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S<>V_R V_A=N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/F=1.
DL85_V43	LAPD/MFO/S85/DL85_V43	1816	Verify that the IUT sends nothing in response to a I/P=0 (N_S<>V_R V_A=N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5).
DL85_V44	LAPD/MFO/S85/DL85_V44	1817	Verify that the IUT sends a SABME/P=1 after timeout of T200 N200 times in Timer Recovery state (8.5). The IUT is expected to be in

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Test Case Identifier	Test Case Reference		Description
#			Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_V45	LAPD/MFO/S85/DL85_V45	1818	Verify that the IUT sends a RR/P=1 or retransmit I/P=1 after a timeout T200 (RC<N200, V_A<V_S) in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/P=1.
DL85_V46	LAPD/MFO/S85/DL85_V46	1819	Verify that the IUT sends a RR/P=1 after a timeout T200 (RC<N200, V_A<V_S) in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/P=1.
DL85_V47	LAPD/MFO/S85/DL85_V47	1820	Verify that the IUT sends a RNR/P=1 when it sets OWN_BUSY in Timer Recovery state (8.5). The IUT is expected to be in state Timer Recovery state (8.7) after sending RNR/P=1.
DL85_N01	LAPD/MFO/S85/DL85_N01	1821	Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N02	LAPD/MFO/S85/DL85_N02	1822	Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state

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Test Case Identifier	Test Case Reference		Description
#			(8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N03	LAPD/MFO/S85/DL85_N03	1823	Verify that the IUT sends a SABME/P=1 in response to a RR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N04	LAPD/MFO/S85/DL85_N04	1824	Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N05	LAPD/MFO/S85/DL85_N05	1825	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N06	LAPD/MFO/S85/DL85_N06	1826	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
DL85_N07	LAPD/MFO/S85/DL85_N07	1827	1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N08	LAPD/MFO/S85/DL85_N08	1828	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N09	LAPD/MFO/S85/DL85_N09	1829	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N10	LAPD/MFO/S85/DL85_N10	1830	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending

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Test Case Identifier	Test Case Reference		Description
DL85_N11	LAPD/MFO/S85/DL85_N11	1831	SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a RNR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N12	LAPD/MFO/S85/DL85_N12	1832	Verify that the IUT sends a SABME/P=1 in response to a RNR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N13	LAPD/MFO/S85/DL85_N13	1833	Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S=V_R, N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N14	LAPD/MFO/S85/DL85_N14	1834	Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S=V_R, N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
DL85_N15 # # # # # # # #	LAPD/MFO/S85/DL85_N 15	1835	Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S<>V_R, N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N16 # # # # # # # #	LAPD/MFO/S85/DL85_N 16	1836	Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S<>V_R, N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N17 # # # # # # # #	LAPD/MFO/S85/DL85_N 17	1837	Verify that the IUT sends a SABME/P=1 in response to a SABME frame, with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N18 # # # # # # # #	LAPD/MFO/S85/DL85_N 18	1838	Verify that the IUT sends a SABME/P=1 in response to a DISC frame, with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N19 #	LAPD/MFO/S85/DL85_N	1839	Verif that the IUT

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Test Case Identifier	Test Case Reference		Description
# # # # # # # #	19		sends a SABME/P=1 in response to a UA frame, with excess length, received in Timer Recover state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N20 # # # # # # # #	LAPD/MFO/S85/DL85_N 20	1840	Verify that the IUT sends a SABME/P=1 in response to a DM frame, with excess length, received in Timer Recovery state (8.5). the IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N21 # # # # # # # #	LAPD/MFO/S85/DL85_N 21	1841	Verify that the IUT sends a SABME/P=1 in response to a FRMR frame, with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N22 # # # # # # # #	LAPD/MFO/S85/DL85_N 22	1842	Verify that the IUT sends a SABME/P=1 in response to a RR frame, with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N23 #	LAPD/MFO/S85/DL85_N 23	1843	Verify that the IUT sends a SABME/P=1 in

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Test Case Identifier	Test Case Reference		Description
DL85_N24	LAPD/MFO/S85/DL85_N 24	1844	response to a RNR frame , with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a REJ frame , with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N25	LAPD/MFO/S85/DL85_N 25	1845	Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N26	LAPD/MFO/S85/DL85_N 26	1846	Verify that the IUT sends a SABME/P=1 in response to a undefined frame received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL85_N27	LAPD/MFO/S85/DL85_N 27	1847	Verify that the IUT sends a SABME/P=1 in response to a frame with error (I field not

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Test Case Identifier	Test Case Reference		Description
DL86_V01	LAPD/MFO/S86/DL86_V 01	1848	permitted) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.
DL86_V03	LAPD/MFO/S86/DL86_V 03	1849	Verify that the IUT does not send additional I Frames in Timer Recovery state (8.6) even if V_S < V_A +K. The IUT is expected to remain in Timer Recovery state (8.6).
DL86_V04	LAPD/MFO/S86/DL86_V 04	1850	Verify that the IUT does not send additional I Frames in Timer Recovery state (8.6) when V_S = V_A+K (window is closed). The IUT is expected to remain in Timer Recovery state (8.6).
DL86_V08	LAPD/MFO/S86/DL86_V 08	1851	Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer Recovery state (8.6). The IUT is expected to be in Multiple Frame Establishod state (7.0) after sending UA/F=1.
DL86_V10	LAPD/MFO/S86/DL86_V 10	1852	Verify that the IUT sends a UA/F=0 in

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Test Case Identifier	Test Case Reference		Description
DL86_V12	LAPD/MFO/S86/DL86_V12	1853	response to a SABME/P=0 received in Timer Recovery state (8.6). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0. Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.6). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1.
DL86_V13	LAPD/MFO/S86/DL86_V13	1854	Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.6). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.
DL86_V14	LAPD/MFO/S86/DL86_V14	1855	Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_V15	LAPD/MFO/S86/DL86_V15	1856	Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
DL86_V17	LAPD/MFO/S86/DL86_V17	1857	Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_V20	LAPD/MFO/S86/DL86_V20	1858	Verify that the IUT sends a RNR/F=1 in response to a RR/P=1 (V_A<N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.
DL86_V21	LAPD MFO/S86/DL86_V21	1859	Verify that the IUT does not send a response to a RR/P=0 (V_A<N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2).
DL86_V22	LAPD/MFO/S86/DL86_V22	1860	Verify that the IUT does not send a response to a RR/F=1 (V_A<N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Multiple Frame Established state (7.2).
DL86_V23	LAPD/MFO/S86/DL86_V23	1861	Verify that the IUT does not send a response to a RR/F=0 (V_A<N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2).

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Test Case Identifier	Test Case Reference		Description
DL86_V24	LAPD/MFO/S86/DL86_V 24	1862	Verify that the IUT sends a RNR/F=1 in response to a REJ/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.
DL86_V25	LAPD/MFO/S86/DL86_V 25	1863	Verify that the IUT does not send a response to a REJ/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2).
DL86_V26	LAPD/MFO/S86/DL86_V 26	1864	Verify that the IUT does not send a response to a REJ/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Multiple Frame Established state (7.2).
DL86_V27	LAPD/MFO/S86/DL86_V 27	1865	Verify that the IUT does not send a response to a REJ/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2).
DL86_V28	LAPD/MFO/S86/DL86_V 28	1866	Verify that the IUT sends a RNR/F=1 in response to a RNR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to

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Test Case Identifier	Test Case Reference		Description
DL86_V29	LAPD/MFO/S86/DL86_V 29	1867	be in Timer Recovery state (8.6) after sending RNR/F=1. Verify that the IUT does not send a response to a RNR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.6).
DL86_V30	LAPD/MFO/S86/DL86_V 30	1868	Verify that the IUT does not send a response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Multiple Frame Established state (7.6).
DL86_V31	LAPD/MFO/S86/DL86_V 31	1869	Verify that the IUT does not send a response to a RNR/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.6).
DL86_V32	LAPD/MFO/S86/DL86_V 32	1870	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 received in Timer Recovery state (8.6). The IUT is expected to be in TIMER RECOVERY state (8.6) after sending RNR/F=1.
DL86_V33	LAPD/MFO/S86/DL86_V 33	1871	Verify that the IUT does not send a response to an I/P=0 received in Timer Recovery state (8.6).

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Test Case Identifier	Test Case Reference		Description
#			The IUT is expected to be in TIMER RECOVERY state (8.6).
#			Verify that the IUT sends a RNR/F=1 in response to an I/P=1 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.6).
DL86_V34	LAPD/MFO/S86/DL86_V34	1872	The IUT is expected to be in Timer Recovery state (8.6) after sending RNR/F=1.
#			Verify that the IUT does not send a response to an I/P=0 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.6).
#			The IUT is expected to be in Timer Recovery state (8.6).
DL86_V35	LAPD/MFO/S86/DL86_V35	1873	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.6).
#			The IUT is expected to be in Timer Recovery state (8.6) after sending RNR/F=1.
#			Verify that the IUT does not send a response to an I/P=0 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.6).
#			The IUT is expected to remain in Timer Recovery state (8.6).
DL86_V36	LAPD/MFO/S86/DL86_V36	1874	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.6).
#			The IUT is expected to be in Timer Recovery state (8.6) after sending RNR/F=1.
DL86_V37	LAPD/MFO/S86/DL86_V37	1875	Verify that the IUT does not send a response to an I/P=0 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.6).
#			The IUT is expected to remain in Timer Recovery state (8.6).
DL86_V38	LAPD/MFO/S86/DL86_V38	1876	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 (N_S<>V_R V_A<N_R<V_S)

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Test Case Identifier	Test Case Reference		Description
#			received in Timer Recovery state (8.6).
#			The IUT is expected to remain in Timer Recovery state (8.6) after sending RNR/F=1.
DL86_V39	LAPD/MFO/S86/DL86_V39	1877	Verify that the IUT does not send a response to an I/P=0 (N_S<>V_R, V_A<N_R<V_S) received in Timer Recovery state (8.6).
#			The IUT is expected to remain in Timer Recovery state (8.6).
DL86_V40	LAPD/MFO/S86/DL86_V40	1878	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 (N_S=V_R, V_A=N_R<V_S) received in Timer Recovery state (8.6).
#			The IUT is expected to remain in Timer Recovery state (8.6) after sending RNR/F=1.
DL86_V41	LAPD/MFO/S86/DL86_V41	1879	Verify that the IUT does not send a response to an I/P=0 (N_S=V_R, V_A=N_R<V_S) received in Timer Recovery state (8.6).
#			The IUT is expected to remain in Timer Recovery state (8.6).
DL86_V42	LAPD/MFO/S86/DL86_V42	1880	Verify that the IUT sends a RNR/F=1 in response to an I/P=1 (N_S<>V_R V_A=N_R<V_S) received in Timer Recovery state (8.6).
#			The IUT is expected to remain in Timer Recovery state (8.6) after sending RNR/F=1.
DL86_V43	LAPD/MFO/S86/DL86_V	1881	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
"	43		does not send a response to a I/P=0 (N_S<>V_R, V_A=N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.6).
DL86_V44	LAPD/MFO/S86/DL86_V44	1882	Verify that the IUT sends a SABME/P=1 after timeout of T200 N200 times in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_V45	LAPD/MFO/S86/DL86_V45	1883	Verify that the IUT sends a RNR/P=1 or retransmit I/P=1 after a timeout T200 (RC<N200, V_A<V_S) in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.6) after sending RNR/P=1.
DL86_V46	LAPD/MFO/S86/DL86_V46	1884	Verify that the IUT sends a RNR/P=1 in response to a timeout T200 (RC<N200, V_A=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.7) after sending RNR/P=1.
DL86_V48	LAPD/MFO/S86/DL86_V48	1885	Verify that the IUT sends a RR/F=0 in response to a CLEAR_OWN_BUSY in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.4).
DL86_N01	LAPD/MFO/S86/DL86_N	1886	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
"	01		sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_N02	LAPD/MFO/S86/DL86_N02	1887	Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_N03	LAPD/MFO/S86/DL86_N03	1888	Verify that the IUT sends a SABME/P=1 in response to a RR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_N04	LAPD/MFO/S86/DL86_N04	1889	Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_N05	LAPD/MFO/S86/DL86_N05	1890	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.6).

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Test Case Identifier	Test Case Reference		Description
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL86_N06	LAPD/MFO/S86/DL86_N	1891	SABME/P=1.
#	06		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ/P=0
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.6).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL86_N07	LAPD/MFO/S86/DL86_N	1892	SABME/P=1.
#	07		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ/F=1
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.6).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL86_N08	LAPD/MFO/S86/DL86_N	1893	SABME/P=1.
#	08		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a REJ/F=0
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.6).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL86_N09	LAPD/MFO/S86/DL86_N	1894	SABME/P=1.
#	09		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/P=1
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.6).
#			The IUT is expected to

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Test Case Identifier	Test Case Reference		Description
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL86_N10	LAPD/MFO/S86/DL86_N	1895	SABME/P=1.
#	10		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/P=0
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.6).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL86_N11	LAPD/MFO/S86/DL86_N	1896	SABME/P=1.
#	11		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/F=1
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.6).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL86_N12	LAPD/MFO/S86/DL86_N	1897	SABME/P=1.
#	12		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RNR/F=0
#			(N_R = V_S+K+1)
#			received in Timer
#			Recovery state (8.6).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
DL86_N13	LAPD/MFO/S86/DL86_N	1898	SABME/P=1.
#	13		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a I/P=1
#			(N_S=V_R, N_R =
#			V_S+K+1) received in
#			Timer Recovery state
#			(8.6). The IUT is
#			expected to be in

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Test Case Identifier	Test Case Reference		Description
DL86_N14	LAPD/MFO/S86/DL86_N14	1899	Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S=V_R, N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_N15	LAPD/MFO/S86/DL86_N15	1900	Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S<>V_R, N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_N16	LAPD/MFO/S86/DL86_N16	1901	Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S<>V_R, N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_N17	LAPD/MFO/S86/DL86_N17	1902	Verify that the IUT sends a SABME/P=1 in response to a SABME frame, with excess length received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment

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Test Case Identifier	Test Case Reference		Description
DL86_N18	LAPD/MFO/S86/DL86_N18	1903	state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a DISC frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_N19	LAPD/MFO/S86/DL86_N19	1904	Verify that the IUT sends a SABME/P=1 in response to a UA frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_N20	LAPD/MFO/S86/DL86_N20	1905	Verify that the IUT sends a SABME/P=1 in response to a DM frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL86_N21	LAPD/MFO/S86/DL86_N21	1906	Verify that the IUT sends a SABME/P=1 in response to a FRMR frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after

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Test Case Identifier	Test Case Reference		Description
# DL86_N22 # # # # # # # # #	LAPD/MFO/S86/DL86_N 22	1907	sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a RR frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5. 1) after sending SABME/P=1.
# DL86_N23 # # # # # # # # #	LAPD/MFO/S86/DL86_N 23	1908	Verify that the IUT sends a SABME/P=1 in response to a RNR frame , with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5. 1) after sending SABME/P=1.
# DL86_N24 # # # # # # # # #	LAPD/MFO/S86/DL86_N 24	1909	Verify that the IUT sends a SABME/P=1 in response to a REJ frame , with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5. 1) after sending SABME/P=1.
# DL86_N25 # # # # # # # # #	LAPD/MFO/S86/DL86_N 25	1910	Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.

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Test Case Identifier	Test Case Reference		Description
# DL86_N26 # # # # # # # # #	LAPD/MFO/S86/DL86_N 26	1911	Verify that the IUT sends a SABME/P=1 in response to an undefined frame received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5. 1) after sending SABME/P=1.
# DL86_N27 # # # # # # # # #	LAPD/MFO/S86/DL86_N 27	1912	Verify that the IUT sends a SABME/P=1 in response to a frame in error (I field not permitted) in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5. 1) after sending SABME/P=1.
# DL87_V01 # # # # # # # # #	LAPD/MFO/S87/DL87_V 01	1913	Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.
# DL87_V03 # # # # # # # # #	LAPD/MFO/S87/DL87_V 03	1914	Verify that the IUT does not send additional I frames in Timer Recovery state (8.7) even if $V_S < V_A + K$. The IUT is expected to remain in Timer Recovery state (8.7).
# DL87_V04 # # # # # # # # #	LAPD/MFO/S87/DL87_V 04	1915	Verify that the IUT does not send additional I frames in Timer Recovery state (8.7) when $V_S = V_A + K$

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Test Case Identifier	Test Case Reference		Description
DL87_V08	LAPD/MFO/S87/DL87_V08	1916	(window is closed). The IUT is expected to remain in Timer Recovery state (8.7). Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer Recovery state (8.7). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=1.
DL87_V10	LAPD/MFO/S87/DL87_V10	1917	Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Timer Recovery state (8.7). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0.
DL87_V12	LAPD/MFO/S87/DL87_V12	1918	Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.7). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1.
DL87_V13	LAPD/MFO/S87/DL87_V13	1919	Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.7). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.
DL87_V14	LAPD/MFO/S87/DL87_V14	1920	Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.7).

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Test Case Identifier	Test Case Reference		Description
DL87_V15	LAPD/MFO/S87/DL87_V15	1921	The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_V17	LAPD/MFO/S87/DL87_V17	1922	Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_V20	LAPD/MFO/S87/DL87_V20	1923	Verify that the IUT sends a RNR/F=1 in response to a RR/P=1 (V_A<N_R<V_5) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.
DL87_V21	LAPD/MFO/S87/DL87_V21	1924	Verify that the IUT does not send a response to a RR/P=0 (V_A<N_R<V_5) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.3).
DL87_V22	LAPD/MFO/S87/DL87_V22	1925	Verify that the IUT does not send a response to a RR/F=1 (V

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Test Case Identifier	Test Case Reference		Description
#			A<=N_R<=V_S) received
#			in Timer Recovery state
#			(8.7). The IUT is
#			expected to be in
#			Multiple Frame
#			Established state (7.3)
#			.
DL87_V23	LAPD/MFO/S87/DL87_V	1926	Verify that the IUT
#	23		does not send a
#			response to a RR/F=0 (V
#			A<=N_R<=V_S) received
#			in Timer Recovery state
#			(8.7). The IUT is
#			expected to be in Timer
#			Recovery state (8.3).
DL87_V24	LAPD/MFO/S87/DL87_V	1927	Verify that the IUT
#	24		sends a RNR/F=1 in
#			response to a REJ/P=1
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			be in Timer Recovery
#			state (8.3) after
#			sending RNR/F=1.
DL87_V25	LAPD/MFO/S87/DL87_V	1928	Verify that the IUT
#	25		does not send a
#			response to a REJ/P=0
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			be in Timer Recovery
#			state (8.3).
DL87_V26	LAPD/MFO/S87/DL87_V	1929	Verify that the IUT
#	26		does not send a
#			response to a REJ/F=1
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			be in Multiple Frame
#			Established state (7.3)
#			.
DL87_V27	LAPD/MFO/S87/DL87_V	1930	Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
#	27		does not send a
#			response to a REJ/F=0
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			be in Timer Recovery
#			state (8.3).
DL87_V28	LAPD/MFO/S87/DL87_V	1931	Verify that the IUT
#	28		sends a RNR/F=1 in
#			response to a RNR/P=1
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			remain in Timer
#			Recovery state (8.7)
#			after sending RNR/F=1.
DL87_V29	LAPD/MFO/S87/DL87_V	1932	Verify that the IUT
#	29		does not send a
#			response to a RNR/P=0
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			remain in Timer
#			Recovery state (8.7).
DL87_V30	LAPD/MFO/S87/DL87_V	1933	Verify that the IUT
#	30		does not send a
#			response to a RNR/F=1
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			be in Multiple Frame
#			Established state (7.7)
#			.
DL87_V31	LAPD/MFO/S87/DL87_V	1934	Verify that the IUT
#	31		does not send a
#			response to a RNR/F=0
#			(V_A<=N_R<=V_S)
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			remain in Timer

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Test Case Identifier	Test Case Reference		Description
* DL87_V32 * * * * * * * * DL87_V33 * * * * * * DL87_V34 * * * * * * * DL87_V35 * * * * * * DL87_V36 * * * * *	LAPD/MFO/S87/DL87_V 32 LAPD/MFO/S87/DL87_V 33 LAPD/MFO/S87/DL87_V 34 LAPD/MFO/S87/DL87_V 35 LAPD/MFO/S87/DL87_V 36 	1935 1936 1937 1938 1939 	Recovery state (8.7). Verify that the IUT sends a RNR/F=1 in response to a I/P=1 received in Timer Recovery state (8.7). The IUT is expected to remain in Timer Recovery state (8.7) after sending RNR/F=1. Verify that the IUT does not send a response to a I/P=0 received in Timer Recovery state (8.7). The IUT is expected to remain in Timer Recovery state (8.7). Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7) after sending RNR/F=1. Verify that the IUT does not send a response to a I/P=0 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7). Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7).

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Test Case Identifier	Test Case Reference		Description
* DL87_V37 * * * * * * * DL87_V38 * * * * * * * DL87_V39 * * * * * * DL87_V40 * * * * * * DL87_V41 * * * *	LAPD/MFO/S87/DL87_V 37 LAPD/MFO/S87/DL87_V 38 LAPD/MFO/S87/DL87_V 39 LAPD/MFO/S87/DL87_V 40 LAPD/MFO/S87/DL87_V 41 	1940 1941 1942 1943 1944 	state (8.7) after sending RNR/F=1. Verify that the IUT does not send a response to a I/P=0 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7). Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S<>V_R, V_A<N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7) after sending RNR/F=1. Verify that the IUT does not send a response to a I/P=0 (N_S<>V_R, V_A<N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to remain in Timer Recovery state (8.7). Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S=V_R, V_A=V_S) received in Timer Recovery state (8.7). The IUT is expected to remain in Timer Recovery state (8.7) after sending RNR/F=1. Verify that the IUT does not send a response to a I/P=0 (N_S=V_R, V_A=V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7).

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Test Case Identifier	Test Case Reference		Description
#			Recovery state (8.7).
#			The IUT is expected to
#			remain in Timer
DL87_V42	LAPD/MFO/S87/DL87_V	1945	Recovery state (8.7).
#	42		Verify that the IUT
#			sends a RNR/F=1 in
#			response to a I/P=1
#			(N_S<>V_R, V_A=N_R<V_S)
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			be in Timer Recovery
#			state (8.7) after
DL87_V43	LAPD/MFO/S87/DL87_V	1946	sending RNR/F=1.
#	43		Verify that the IUT
#			does not send a
#			response to a I/P=0
#			(N_S<>V_R, V_A=N_R<V_S)
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			remain in Timer
DL87_V44	LAPD/MFO/S87/DL87_V	1947	Recovery state (8.7).
#	44		Verify that the IUT
#			sends a SABME/P=1 after
#			timeout of T200 N200
#			times in Timer Recovery
#			state (8.7). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
DL87_V45	LAPD/MFO/S87/DL87_V	1948	sending SABME/P=1.
#	45		Verify that the IUT
#			sends a RNR/P=1 or
#			retransmit I/P=1 after
#			a timeout T200 (RC<N200
#			,V_A<V_S) in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			be in Timer Recovery
#			state (8.7) after
DL87_V46	LAPD/MFO/S87/DL87_V	1949	sending RNR/P=1.
#	46		Verify that the IUT
#			sends a RNR/P=1 in
#			response to a timeout

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Test Case Identifier	Test Case Reference		Description
#			T200 (RC<N200,V_A=V_S)
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			remain in Timer
DL87_V48	LAPD/MFO/S87/DL87_V	1950	Recovery state (8.7)
#	48		after sending RNR/P=1.
#			Verify that the IUT
#			sends a RR/F=0 in
#			response to a CLEAR_OWN
#			_BUSY in Timer Recovery
#			state (8.7). The IUT is
DL87_N01	LAPD/MFO/S87/DL87_N	1951	expected to be in Timer
#	01		Recovery state (8.5).
#			Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RR/P=1 (N
#			_R = V_S+K+1) received
#			in Timer Recovery state
#			(8.7). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
DL87_N02	LAPD/MFO/S87/DL87_N	1952	sending SABME/P=1.
#	02		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RR/P=0 (N
#			_R = V_S+K+1) received
#			in Timer Recovery state
#			(8.7). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
DL87_N03	LAPD/MFO/S87/DL87_N	1953	sending SABME/P=1.
#	03		Verify that the IUT
#			sends a SABME/P=1 in
#			response to a RR/F=1 (N
#			_R = V_S+K+1) received
#			in Timer Recovery state
#			(8.7). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
DL87_N04	LAPD/MFO/S87/DL87_N	1954	sending SABME/P=1.
#			Verify that the IUT

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Test Case Identifier	Test Case Reference		Description
"	04		sends a SABME/P=1 in response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N05	LAPD/MFO/S87/DL87_N05	1955	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N06	LAPD/MFO/S87/DL87_N06	1956	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N07	LAPD/MFO/S87/DL87_N07	1957	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N08	LAPD/MFO/S87/DL87_N08	1958	Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0

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Test Case Identifier	Test Case Reference		Description
"			(N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N09	LAPD/MFO/S87/DL87_N09	1959	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N10	LAPD/MFO/S87/DL87_N10	1960	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N11	LAPD/MFO/S87/DL87_N11	1961	Verify that the IUT sends a SABME/P=1 in response to a RNR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N12	LAPD/MFO/S87/DL87_N12	1962	Verify that the IUT sends a SABME/P=1 in response to a RNR/F=0 (N_R = V_S+K+1)

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Test Case Identifier	Test Case Reference		Description
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
#			SABME/P=1.
DL87_N13	LAPD/MFO/S87/DL87_N	1963	Verify that the IUT
#	13		sends a SABME/P=1 in
#			response to a I/P=1
#			(N_S=V_R, N_R =
#			V_S+K+1) received in
#			Timer Recovery state
#			(8.7). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
#			sending SABME/P=1.
DL87_N14	LAPD/MFO/S87/DL87_N	1964	Verify that the IUT
#	14		sends a SABME/P=1 in
#			response to a I/P=0
#			(N_S=V_R, N_R =
#			V_S+K+1) received in
#			Timer Recovery state
#			(8.7). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
#			sending SABME/P=1.
DL87_N15	LAPD/MFO/S87/DL87_N	1965	Verify that the IUT
#	15		sends a SABME/P=1 in
#			response to a I/P=1
#			(N_S<>V_R, N_R =
#			V_S+K+1) received in
#			Timer Recovery state
#			(8.7). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
#			sending SABME/P=1.
DL87_N16	LAPD/MFO/S87/DL87_N	1966	Verify that the IUT
#	16		sends a SABME/P=1 in
#			response to a I/P=C
#			(N_S<>V_R, N_R =
#			V_S+K+1) received in

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Test Case Identifier	Test Case Reference		Description
#			Timer Recovery state
#			(8.7). The IUT is
#			expected to be in
#			Awaiting Establishment
#			state (5.1) after
#			sending SABME/P=1.
DL87_N17	LAPD/MFO/S87/DL87_N	1967	Verify that the IUT
#	17		sends a SABME/P=1 in
#			response to a SABME/P=1
#			, with excess length,
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
#			SABME/P=1.
DL87_N18	LAPD/MFO/S87/DL87_N	1968	Verify that the IUT
#	18		sends a SABME/P=1 in
#			response to a DISC/P=1
#			with excess length,
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
#			SABME/P=1.
DL87_N19	LAPD/MFO/S87/DL87_N	1969	Verify that the IUT
#	19		sends a SABME/P=1 in
#			response to a UA/F=1
#			with excess length,
#			received in Timer
#			Recovery state (8.7).
#			The IUT is expected to
#			be in Awaiting
#			Establishment state (5.
#			1) after sending
#			SABME/P=1.
DL87_N20	LAPD/MFO/S87/DL87_N	1970	Verify that the IUT
#	20		sends a SABME/P=1 in
#			response to a DM/F=1
#			with excess length,
#			received in Timer
#			Recovery state (8.7).

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Test Case Identifier	Test Case Reference		Description
DL87_N21	LAPD/MFO/S87/DL87_N21	1971	The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 with excess length, received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N22	LAPD/MFO/S87/DL87_N22	1972	Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 with excess length, received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N23	LAPD/MFO/S87/DL87_N23	1973	Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 with excess length, received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N24	LAPD/MFO/S87/DL87_N24	1974	Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 with excess length, received in Timer Recovery state (8.7). The IUT is expected to

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Test Case Identifier	Test Case Reference		Description
DL87_N25	LAPD/MFO/S87/DL87_N25	1975	be in Awaiting Establishment state (5.1) after sending SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N26	LAPD/MFO/S87/DL87_N26	1976	Verify that the IUT sends a SABME/P=1 in response to an undefined command frame received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DL87_N27	LAPD/MFO/S87/DL87_N27	1977	Verify that the IUT sends a SABME/P=1 in response to a frame with error (I field not permitted) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.
DS10_N01	LAPD/SYSTEM/DS10_N01	1978	Verify that the IUT ignores an I(P=0) with no information field received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI unassigned state (1.0).

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Test Case Identifier	Test Case Reference		Description
DS10_N03 # # # # #	LAPD/SYSTEM/DS10_N0 3	1979	Verify that the IUT ignores a FRMR received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI Unassigned state (1.0).
DS10_N04 # # # # #	LAPD/SYSTEM/DS10_N0 4	1980	Verify that the IUT ignores an UI frame too long received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI unassigned state (1.0).
DS10_N05 # # # # #	LAPD/SYSTEM/DS10_N0 5	1981	Verify that the IUT ignores an UI with bad FCS received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI unassigned state (1.0).
DS10_N08 # # # # #	LAPD/SYSTEM/DS10_N0 8	1982	Verify that the IUT does not respond to an ID_Check_Request with an invalid C/R (=0). The IUT is expected to remain in TEI Unassigned state (1.0).
DS10_N09 # # # # #	LAPD/SYSTEM/DS10_N0 9	1983	Verify that the IUT does not respond to an ID_Check_Request with an invalid Octet 2 EA bit (=1). The IUT is expected to remain in TEI Unassigned state (1.0).
DS10_N10 # # # # #	LAPD/SYSTEM/DS10_N1 0	1984	Verify that the IUT does not respond to an ID_Assigned with an invalid C/R (=0). The IUT is expected to remain in TEI Unassigned state (1.0).
DS10_N11 #	LAPD/SYSTEM/DS10_N1 1	1985	Verify that the IUT does not respond to an

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Test Case Identifier	Test Case Reference		Description
# # # # #			ID Assigned with an invalid Octet 2 EA bit (=1). The IUT is expected to remain in TEI Unassigned state (1.0).
DS10_N12 # # # # #	LAPD/SYSTEM/DS10_N1 2	1986	Verify that the IUT does not respond to an ID_Denied with an invalid C/R (=0). The IUT is expected to remain in TEI Unassigned state (1.0).
DS10_N13 # # # # #	LAPD/SYSTEM/DS10_N1 3	1987	Verify that the IUT does not respond to an ID_Denied with an invalid Octet 2 EA bit (=1). The IUT is expected to remain in TEI Unassigned state (1.0).
DS20_N01 # # # # #	LAPD/SYSTEM/DS20_N0 1	1988	Verify that the IUT does not respond to an I frame with no information field in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DS20_N02 # # # # #	LAPD/SYSTEM/DS20_N0 2	1989	Verify that the IUT does not respond to an I frame with a layer 3 RELEASE in the information field in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DS20_N03 # # #	LAPD/SYSTEM/DS20_N0 3	1990	Verify that the IUT does not respond to an FRMR frame in Assign Awaiting TEI state (2.0). The IUT is

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Test Case Identifier	Test Case Reference		Description
#			expected to remain in Assign Awaiting TEI state (2.0).
#			Verify that the IUT does not respond to a UI frame that is too long in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DS20_N04	LAPD/SYSTEM/DS20_NO 4	1991	Verify that the IUT does not respond to a UI frame with an FCS error in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
#			Verify that the IUT does not respond to an ID Check Request with an invalid CR in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DS20_N05	LAPD/SYSTEM/DS20_NO 5	1992	Verify that the IUT does not respond to an ID Check Request with an invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
#			Verify that the IUT does not respond to an ID Check Request with an invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DS20_N08	LAPD/SYSTEM/DS20_NO 8	1993	Verify that the IUT does not respond to an ID Check Request with an invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
#			Verify that the IUT does not respond to an ID Check Request with an invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DS20_N09	LAPD/SYSTEM/DS20_NO 9	1994	Verify that the IUT does not respond to an ID Check Request with an invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
#			Verify that the IUT does not respond to an ID Check Request with an invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DS20_N10	LAPD/SYSTEM/DS20_N1 0	1995	Verify that the IUT does not respond to an ID Assigned with an invalid CR in Assign Awaiting TEI state (2.0).

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Test Case Identifier	Test Case Reference		Description
#			(2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DS20_N11	LAPD/SYSTEM/DS20_N1 1	1996	Verify that the IUT does not respond to an ID Assigned with an invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
#			Verify that the IUT does not respond to an ID Denied with an invalid CR in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DS20_N12	LAPD/SYSTEM/DS20_N1 2	1997	Verify that the IUT does not respond to an ID Denied with an invalid CR in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
#			Verify that the IUT does not respond to an ID Denied with an invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DS20_N13	LAPD/SYSTEM/DS20_N1 3	1998	Verify that the IUT does not respond to an ID Denied with an invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
#			Verify that the IUT does not respond to a UI frame (with no information) received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
DS20_N14	LAPD/SYSTEM/DS20_N1 4	1999	Verify that the IUT does not respond to a UI frame (with no information) received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).
#			Verify that the IUT does not respond to a SABME (with a TEI value not assigned to the IUT) received in TEI
DS40_N01	LAPD/SYSTEM/DS40_NO 1	2000	Verify that the IUT does not respond to a SABME (with a TEI value not assigned to the IUT) received in TEI

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Test Case Identifier	Test Case Reference		Description
#			Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
#			Verify that the IUT does not respond to an RR (with a TEI value not assigned to the IUT) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DS40_N06	LAPD/SYSTEM/DS40_N06	2001	Verify that the IUT does not respond to an I with information, (with a TEI value not assigned to the IUT) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
#			Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DS40_N07	LAPD/SYSTEM/DS40_N07	2002	Verify that the IUT does not respond to an ID-Check-Request with bad CR received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
#			Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DS40_N08	LAPD/SYSTEM/DS40_N08	2003	Verify that the IUT does not respond to an ID-Check-Request with bad EA (first address field extension bit) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
#			Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DS40_N09	LAPD/SYSTEM/DS40_N09	2004	Verify that the IUT does not respond to an ID-Check-Request with bad EA (first address field extension bit) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
#			Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DS40_N10	LAPD/SYSTEM/DS40_N10	2005	Verify that the IUT does not respond to an ID-Assigned with bad CR received in TEI Assigned state (4.0).
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Test Case Identifier	Test Case Reference		Description
#			Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
#			Verify that the IUT does not respond to an ID-Assigned with bad EA (first address field extension bit) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DS40_N11	LAPD/SYSTEM/DS40_N11	2006	Verify that the IUT does not respond to an ID-Denied with bad CR received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
#			Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DS40_N12	LAPD/SYSTEM/DS40_N12	2007	Verify that the IUT does not respond to an ID-Denied with bad CR received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
#			Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DS40_N13	LAPD/SYSTEM/DS40_N13	2008	Verify that the IUT does not respond to an ID-Denied with bad EA (first address field extension bit) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
#			Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DS40_N14	LAPD/SYSTEM/DS40_N14	2009	Verify that the IUT does not respond to a UI frame, with no information, received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
#			Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DS40_N15	LAPD/SYSTEM/DS40_N15	2010	Verify that the IUT does not respond to a frame with an FCS error received in TEI Assigned state (4.0).
#			

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Test Case Identifier	Test Case Reference		Description
"			Assigned state (4.0).
"			The IUT is expected to
"			remain in TEI Assigned
"			state (4.0).
DS50_N15	LAPD/SYSTEM/DS50_N1	2011	Verify that the IUT
"	5		does not respond to a
"			frame with an FCS error
"			received in Awaiting
"			Establishment state (5.
"			0). The IUT is expected
"			to remain in the
"			Awaiting Establishment
"			state (5.0).
DS50_N17	LAPD/SYSTEM/DS50_N1	2012	Verify that the IUT
"	7		does not respond to an
"			ID_Remove (AI=different
"			TEI) received in
"			Awaiting Establishment
"			state (5.0). The IUT is
"			expected to remain in
"			Awaiting Establishment
"			state (5.0).
DS51_N16	LAPD/SYSTEM/DS51_V1	2013	Verify that the IUT
"	6		sends the I frame
"			queued prior to
"			transmission of a
"			SABME/P=1 and after
"			receiving a UA/F=1 in
"			the Awaiting
"			Establishment state (5.
"			1). The IUT is expected
"			to enter Multiple Frame
"			Established state (7.0)
"			.
DS60_N15	LAPD/SYSTEM/DS60_N1	2014	Verify that the IUT
"	5		does not send a
"			response to a frame
"			with an FCS error
"			received in Awaiting
"			Release state (6.0).
"			The IUT is expected to
"			remain in the Awaiting
"			Release state (6.0).
DS60_N17	LAPD/SYSTEM/DS60_N1	2015	Verify that the IUT
"	7		does not respond to an

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Test Case Identifier	Test Case Reference		Description
"			ID-Remove (AI=different
"			TEI) received in
"			Awaiting Release state
"			(6.0). The IUT is
"			expected to remain in
"			Awaiting Release state
"			(6.0).
DS70_V01	LAPD/SYSTEM/DS70_V0	2016	Verify that IUT
"	1		correctly updates its N
"			(R) counter using
"			modulo 128 addition.
"			The IUT is expected to
"			respond to consecutivel
"			y numbered I-frames
"			with an RR or RNR with
"			F=1 and N(R) <= 127.
DS70_N02	LAPD/SYSTEM/DS70_N0	2019	Verify that the IUT
"	2		ignores an I frame that
"			is not properly bounded
"			by two flags received
"			in Multiple Frame
"			Established state (7.0)
"			. The IUT is expected
"			to remain in Multiple
"			Frame Established state
"			(7.0).
DS70_N03	LAPD/SYSTEM/DS70_N0	2020	Verify that the IUT
"	3		ignores a SABME that
"			contains fewer than 5
"			octets between flags
"			received in Multiple
"			Frame Established state
"			(7.0). IUT is expected
"			to remain in Multiple
"			Frame Established state
"			(7.0).
DS70_N04	LAPD/SYSTEM/DS70_N0	2021	Verify that the IUT
"	4		ignores a SABME that
"			contains a frame check
"			sequence (FCS) error
"			received in Multiple
"			Frame Established state
"			(7.0). IUT is expected
"			to remain in Multiple
"			Frame Established state

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Test Case Identifier	Test Case Reference		Description
DS84_N17	LAPD/SYSTEM/DS84_N17	2031	Recovery state (8.4). The IUT is expected to remain in the Timer Recovery state (8.4). Verify that the IUT does not respond to an ID.Remove (AI=different TEI) received in Timer Recovery state (8.4). The IUT is expected to remain in state 8.4.
DS40_1_1	LAPD/SYSTEM/DS40_1_1	2032	Tests the normal initialisation of multiple-frame operation. Verify that the IUT 1) is able to initiate link establishment in TEI Assigned state (4.0), and 2) is able to send an I frame after entering Multiple Frame Established state (7.0).
DS40_1_2	LAPD/SYSTEM/DS40_1_2	2033	Tests the IUT's response to the loss of a UA frame. Verify that the IUT retransmits a SABME/P=1 after receiving no response to a first SABME/P=1 sent in TEI Assigned state (4.0).
DS40_1_3	LAPD/SYSTEM/DS40_1_3	2034	Verify that the IUT does not respond after receiving a DM/F=1 in response to a first SABME/P=1 sent in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).
DS40_1_4	LAPD/SYSTEM/DS40_1_4	2035	Tests the IUT's response to the inability of the

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Test Case Identifier	Test Case Reference		Description
DS70_1_5	LAPD/SYSTEM/DS70_1_5	2036	network to respond to a SABME/P=1 received in TEI Assigned state (4.0). Verify that the IUT retransmits a SABME/P=1 after receiving no response. The IUT is expected to remain in TEI Assigned state.
DS40_2_1	LAPD/SYSTEM/DS40_2_1	2037	Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established state after sending the UA/F=1.
DS70_2_2	LAPD/SYSTEM/DS70_2_2	2038	Tests unnumbered frame transfer on broadcast data link. Verify that the IUT is able to send an I frame after entering Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after receiving RR/F=0.
DS70_2_3	LAPD/SYSTEM/DS70_2_3	2039	Verify that the IUT cycles through 128 sequence numbers during I frame transfer in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state.
			Verify that the IUT sends an RR/F=0 in response to I/P=0 sent as a valid response to

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Test Case Identifier	Test Case Reference		Description
DS70_5_2	LAPD/SYSTEM/DS70_5_2	2052	I/P=0. Verify that the IUT sends an RR/F=1 in response to a RR/P=1 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.
DS60_6_1	LAPD/SYSTEM/DS60_6_1	2053	Verify that the IUT can 1) handle the collision with a SABME/P=1, and 2) retransmit the DISC/P=1 when T200 expires, in Awaiting Release state (6.0). The IUT is expected to enter TEI Assigned state after receiving the UA/F=1.
DS10_7_1	LAPD/SYSTEM/DS10_7_1	2054	Verify that the IUT 1) enters TEI Assigned state after receiving an Id Assigned frame in response to an Id Request, and 2) sends an Id Check Response in response to an Id Check Request. The IUT is expected to enter TEI Assigned state.
DS10_7_2	LAPD/SYSTEM/DS10_7_2	2055	Verify that the IUT retransmits an ID Request in response to an ID Denied received in Awaiting TEI state. The IUT is expected to enter TEI Assigned state after receiving the ID Assigned.
DS40_7_3	LAPD/SYSTEM/DS40_7_3	2056	Verify that the IUT sends an ID Check response in response to

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Test Case Identifier	Test Case Reference		Description
DS10_7_4	LAPD/SYSTEM/DS10_7_4	2057	an ID Check Request (127) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state after sending the ID Check Response. Verify that the IUT transmits at least N202 ID_Requests (different Ri*) to T202 Timeout Conditions in TEI Unassigned state (1.0).
DS40_8_1_1	LAPD/SYSTEM/DS40_8_1_1	2058	Verify that the IUT does not respond to a SABME/P=1 with an invalid TEI value received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state.
DS70_8_2_1	LAPD/SYSTEM/DS70_8_2_1	2059	Verify that the IUT sends a SABME in response to an I/P=1 with an invalid C/R value received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DS40_8_2_2	LAPD/SYSTEM/DS40_8_2_2	2060	Verify that the IUT does not respond to a SABME/P=1 with an invalid CR value received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state.
DS70_8_3	LAPD/SYSTEM/DS70_8_3	2061	Verify that the IUT sends a SABME/P=1 in

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Test Case Identifier	Test Case Reference		Description
#			response to a modulo 8
#			RR/P=1 received in
#			Multiple Frame
#			Established modulo 128
#			operation state (7.0).
#			The IUT is expected to
#			enter Awaiting
#			Establishment state
#			after sending
#			SABME/P=1.
DS70_8_4_1	LAPD/SYSTEM/DS70_8_4_1	2062	Verify that the IUT
#			sends a REJ/F=0 in
#			response to an I/P=0
#			with N(S)<>V(R)
#			received in Multiple
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Multiple Frame
#			Established Reject
#			Recovery state after
#			sending REJ/F=0.
DS70_8_4_2	LAPD/SYSTEM/DS70_8_4_2	2063	Verify that the IUT
#			retransmits an I/P=0
#			after receiving a
#			REJ/F=0 in Multiple
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Multiple Frame
#			Established state after
#			retransmitting I/P=0
DS70_8_4_3	LAPD/SYSTEM/DS70_8_4_3	2065	Verify that the IUT
#			retransmits an I/P=0
#			after receiving a
#			REJ/F=1 in Timer
#			Recovery state (8.0).
#			The IUT is expected to
#			enter Multiple Frame
#			Established state after
#			retransmitting I/P=0
DS70_8_5_1a	LAPD/SYSTEM/DS70_8_5_1a	2067	Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RR/P=0,
#			with an N(R) error,

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Test Case Identifier	Test Case Reference		Description
#			received in Multiple
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Multiple Frame
#			Established state after
#			sending SABME/P=1 and
#			receiving the UA/F=1.
DS70_8_5_1b	LAPD/SYSTEM/DS70_8_5_1b	2068	Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RR/F=1,
#			with an N(R) error,
#			received in Multiple
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Multiple Frame
#			Established state after
#			sending SABME/P=1 and
#			receiving the UA/F=1.
DS70_8_5_1c	LAPD/SYSTEM/DS70_8_5_1c	2069	Verify that the IUT
#			sends a SABME/P=1 in
#			response to an RR/F=0,
#			with an N(R) error,
#			received in Multiple
#			Frame Established state
#			(7.0). The IUT is
#			expected to enter
#			Multiple Frame
#			Established state after
#			sending SABME/P=1 and
#			receiving the UA/F=1.
DS40_8_6_1	LAPD/SYSTEM/DS40_8_6_1	2070	Verify that the IUT
#			sends a DM/F=1 in
#			response to a DISC/P=1
#			received in TEI
#			Assigned state (4.0).
#			The IUT is expected to
#			be in TEI Assigned
#			state (4.0) after
#			sending DM/F=1.
DS40_8_6_2	LAPD/SYSTEM/DS40_8_6_2	2071	Verify that the IUT
#			does not respond to an
#			I/P=0, RR/P=1 or
#			RNR/P=1 received in TEI

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LAPD Conformance Testing

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Test Case Identifier	Test Case Reference		Description
DS10_8_7	LAPD/SYSTEM/DS10_8_7	2072	Assigned state (4.0). The IUT is expected to remain in TEI Assigned state. Verify that the IUT does not respond to an I/P=0, RR/P=1, UI/P=0, DISC/P=1 or SABME/P=1 received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI Unassigned state.
DS70_8_8_1a	LAPD/SYSTEM/DS70_8_8_1a	2073	Verify that the IUT sends a SABME/P=1 in response to a 3 Octet undefined command received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DS70_8_8_1b	LAPD/SYSTEM/DS70_8_8_1b	2074	Verify that the IUT sends a SABME/P=1 in response to a 4 Octet undefined command received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DS70_8_8_2_1	LAPD/SYSTEM/DS70_8_8_2_1	2075	Verify that the IUT sends a SABME/P=1 in response to a 6 Octet DISC received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending

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Test Case Identifier	Test Case Reference		Description
DS70_8_8_2_2	LAPD/SYSTEM/DS70_8_8_2_2	2076	SABME/P=1. Verify that the IUT sends a SABME/P=1 in response to an RR of incorrect length received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DS70_8_8_4	LAPD/SYSTEM/DS70_8_8_4	2077	Verify that the IUT sends a SABME/P=1 after an N201 error occurs in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.
DS70_9_1	LAPD/SYSTEM/DS70_9_1	2078	Verify that the IUT's T200 between retransmission of frames is within an acceptable tolerance of its value.
DS70_9_2	LAPD/SYSTEM/DS70_9_2	2079	Verify that the IUT implements N200, the maximum number of retransmissions of a frame. The IUT is expected to enter Awaiting Establishment state after N200 retransmissions of RR/P=1.
Test Step Identifier	Test Step Reference	Page	Description
DL_MFOINIT	LAPD/LIBRARY/DL_MFOINIT	2080	Procedure to initialize the IUT to either TEI assigned State (4.0) or Multiple Frame

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Test Step Identifier	Test Step Reference		Description
DL4_INIT	LAPD/LIBRARY/DL4_INIT	2081	Established state (7.0) depending on the answer to a PIXIT question for the preferred 'idle state'. This routine is executed at the start of a test sequence for Multiple Frame Operations (states 4.0 through 8.5). Procedure to initialize the IUT to TEI Assigned State (4.0). This routine is executed at the start of a test sequence for Multiple Frame Operations (states 4.0 through 8.5) to place the IUT in the selected 'idle state'.
DL7_INIT	LAPD/LIBRARY/DL7_INIT	2083	Procedure to initialize the IUT to Multiple Frame Established State (7.0). This routine is executed at the start of a test sequence for Multiple Frame Operations (states 4.0 through 8.5) to place the IUT in the selected 'idle state'.
ASSIGN_AI	LAPD/LIBRARY/ASSIGN_AI	2084	Procedure to assign two TEI numbers (≥ 64 and ≤ 126) not currently in use and save the values in the test suite variables Ai_No and Ai_Num.
ASSIGN_TEI	LAPD/LIBRARY/ASSIGN_TEI	2085	Procedure to assign a TEI number (≥ 64 and ≤ 126) not currently in use and save the value in the test suite variable TEI_No.

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Test Step Identifier	Test Step Reference		Description
DL70_WC_SETUP	LAPD/LIBRARY/DL70_WC_SETUP	2085	Special procedure used to place the IUT in test state 7.0 - Multiple Frame Established/Normal/Normal - with the Window closed.
DL71_WC_SETUP	LAPD/LIBRARY/DL71_WC_SETUP	2086	Special procedure used to place the IUT in test state 7.1 - Multiple Frame Established/Normal/Reject - with the Window closed.
DL72_WC_SETUP	LAPD/LIBRARY/DL72_WC_SETUP	2086	Special procedure used to place the IUT in test state 7.2 - Multiple Frame Established/Normal/Own Busy - with the Window closed.
DL73_WC_SETUP	LAPD/LIBRARY/DL73_WC_SETUP	2087	Special procedure used to place the IUT in test state 7.3 - Multiple Frame Established/Normal/Reject Recovery and Own Busy - with the Window closed.
DL74_WC_SETUP	LAPD/LIBRARY/DL74_WC_SETUP	2087	Special procedure used to place the IUT in test state 7.4 - Multiple Frame Established/Peer Receiver Busy/Normal - with the Window closed.
DL75_WC_SETUP	LAPD/LIBRARY/DL75_WC_SETUP	2088	Special procedure used to place the IUT in test state 7.5 - Multiple Frame Established/Peer Receiver Busy/Reject Recovery - with the Window closed.
DL76_WC_SETUP	LAPD/LIBRARY/DL76_WC_SETUP	2088	Special procedure used

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Test Step Identifier	Test Step Reference		Description
"	C_SETUP		to place the IUT in
"			test state 7.6 -
"			Multiple Frame
"			Established/Peer
"			Receiver Busy/Own Busy
"			- with the Window
"			closed.
DL77_WC_SETUP	LAPD/LIBRARY/DL77_W	2089	Special procedure used
"	C_SETUP		to place the IUT in
"			test state 7.7 -
"			Multiple Frame
"			Established/Peer
"			Receiver Busy/Reject
"			Recovery and Own Busy -
"			with the Window closed.
DL70_1I_SETUP	LAPD/LIBRARY/DL70_1	2089	Special procedure used
"	I_SETUP		to place the IUT in
"			test state 7.0 -
"			Multiple Frame
"			Established/Normal/Normal
"			- with one frame
"			sent by IUT.
DL71_1I_SETUP	LAPD/LIBRARY/DL71_1	2090	Special procedure used
"	I_SETUP		to place the IUT in
"			test state 7.1 -
"			Multiple Frame
"			Established/Normal/Reject
"			- with one I frame
"			sent by IUT.
DL72_1I_SETUP	LAPD/LIBRARY/DL72_1	2090	Special procedure used
"	I_SETUP		to place the IUT in
"			test state 7.2 -
"			Multiple Frame
"			Established/Normal/Own
"			Busy - with one I frame
"			sent by IUT.
DL73_1I_SETUP	LAPD/LIBRARY/DL73_1	2091	Special procedure used
"	I_SETUP		to place the IUT in
"			test state 7.3 -
"			Multiple Frame
"			Established/Normal/Reject
"			Recovery and Own
"			Busy - with one I frame
"			sent by IUT.
DL74_1I_SETUP	LAPD/LIBRARY/DL74_1	2091	Special procedure used

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Test Step Identifier	Test Step Reference		Description
"	I_SETUP		to place the IUT in
"			test state 7.4 -
"			Multiple Frame
"			Established/Peer
"			Receiver Busy/Normal -
"			with one I frame sent
"			by IUT.
DL75_1I_SETUP	LAPD/LIBRARY/DL75_1	2092	Special procedure used
"	I_SETUP		to place the IUT in
"			test state 7.5 -
"			Multiple Frame
"			Established/Peer
"			Receiver Busy/Reject
"			Recovery - with one I
"			frame sent by IUT.
DL76_1I_SETUP	LAPD/LIBRARY/DL76_1	2092	Special procedure used
"	I_SETUP		to place the IUT in
"			test state 7.6 -
"			Multiple Frame
"			Established/Peer
"			Receiver Busy/Own Busy
"			- with one I frame sent
"			by IUT.
DL77_1I_SETUP	LAPD/LIBRARY/DL77_1	2093	Special procedure used
"	I_SETUP		to place the IUT in
"			test state 7.7 -
"			Multiple Frame
"			Established/Peer
"			Receiver Busy/Reject
"			Recovery and Own Busy -
"			with one I frame sent
"			by IUT.
DL70_2I_SETUP	LAPD/LIBRARY/DL70_2	2093	Special procedure used
"	I_SETUP		to place the IUT in
"			test state 7.0 -
"			Multiple Frame
"			Established/Normal/Normal
"			- with two I frames
"			sent by IUT.
DL71_2I_SETUP	LAPD/LIBRARY/DL71_2	2094	Special procedure used
"	I_SETUP		to place the IUT in
"			test state 7.1 -
"			Multiple Frame
"			Established/Normal/Reject
"			- with two I frames

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Test Step Identifier	Test Step Reference		Description
# DL72_2I_SETUP # # # # # DL73_2I_SETUP # # # # # DL74_2I_SETUP # # # # # DL75_2I_SETUP # # # # # DL76_2I_SETUP # # # # # DL77_2I_SETUP # # #	LAPD/LIBRARY/DL72_2 I_SETUP LAPD/LIBRARY/DL73_2 I_SETUP LAPD/LIBRARY/DL74_2 I_SETUP LAPD/LIBRARY/DL75_2 I_SETUP LAPD/LIBRARY/DL76_2 I_SETUP LAPD/LIBRARY/DL77_2 I_SETUP 	2094 2095 2095 2096 2096 2097	sent by IUT. Special procedure used to place the IUT in test state 7.2 - Multiple Frame Established/Normal/Own Busy - with two I frames sent by IUT. Special procedure used to place the IUT in test state 7.3 - Multiple Frame Established/Normal/Reje ct Recovery and Own Busy - with two I frames sent by IUT. Special procedure used to place the IUT in test state 7.4 - Multiple Frame Established/Peer Receiver Busy/Normal - with two I frames sent by IUT. Special procedure used to place the IUT in test state 7.5 - Multiple Frame Established/Peer Receiver Busy/Reject Recovery - with two I frames sent by IUT. Special procedure used to place the IUT in test state 7.6 - Multiple Frame Established/Peer Receiver Busy/Own Busy - with two I frames sent by IUT. Special procedure used to place the IUT in test state 7.7 - Multiple Frame Established/Peer

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Test Step Identifier	Test Step Reference		Description
# # # # DL80_WC_SETUP # # # # DL81_WC_SETUP # # # # DL82_WC_SETUP # # # # DL83_WC_SETUP # # # # DL84_WC_SETUP # # # # DL85_WC_SETUP # # # # DL86_WC_SETUP # # #	LAPD/LIBRARY/DL80_W C_SETUP LAPD/LIBRARY/DL81_W C_SETUP LAPD/LIBRARY/DL82_W C_SETUP LAPD/LIBRARY/DL83_W C_SETUP LAPD/LIBRARY/DL84_W C_SETUP LAPD/LIBRARY/DL85_W C_SETUP LAPD/LIBRARY/DL86_W C_SETUP 	2097 2098 2098 2099 2099 2100 2100	Receiver Busy/Reject Recovery and Own Busy - with two I frames sent by IUT. Special procedure used to place the IUT in test state 8.0 - Timer Recovery/Normal/Normal - with the Window closed. Special procedure used to place the IUT in test state 8.1 - Timer Recovery/Normal/Reject Recovery - with the Window closed. Special procedure used to place the IUT in test state 8.2 - Timer Recovery/Normal/Own Busy - with the Window closed. Special procedure used to place the IUT in test state 8.3 - Timer Recovery/Normal/Reject Recovery and Own Busy - with the Window closed. Special procedure used to place the IUT in test state 8.4 - Timer Recovery/Peer Receiver Busy/Normal - with the Window closed. Special procedure used to place the IUT in test state 8.5 - Timer Recovery/Peer Receiver Busy/Reject Recovery - with the Window closed. Special procedure used to place the IUT in test state 8.6 - Timer Recovery/Peer Receiver Busy/Own Busy - with

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Test Step Identifier	Test Step Reference		Description
DL87_WC_SETUP	LAPD/LIBRARY/DL87_WC_SETUP	2101	the Window closed. Special procedure used to place the IUT in test state 8.7 - Timer Recovery/Peer Receiver busy/Reject Recovery and Own Busy - with the Window closed.
DL80_1I_SETUP	LAPD/LIBRARY/DL80_1I_SETUP	2101	Special procedure used to place the IUT in test state 8.0 - Timer Recovery/Normal/Normal - with one frame sent by IUT.
DL81_1I_SETUP	LAPD/LIBRARY/DL81_1I_SETUP	2102	Special procedure used to place the IUT in test state 8.1 - Timer Recovery/Normal/Reject Recovery - with one frame sent by IUT.
DL82_1I_SETUP	LAPD/LIBRARY/DL82_1I_SETUP	2102	Special procedure used to place the IUT in test state 8.2 - Timer Recovery/Normal/Own Busy - with one frame sent by IUT.
DL83_1I_SETUP	LAPD/LIBRARY/DL83_1I_SETUP	2103	Special procedure used to place the IUT in test state 8.3 - Timer Recovery/Normal/Reject Recovery and Own Busy - with one frame sent by IUT.
DL84_1I_SETUP	LAPD/LIBRARY/DL84_1I_SETUP	2103	Special procedure used to place the IUT in test state 8.4 - Timer Recovery/Peer Receiver Busy/Normal - with one frame sent by IUT.
DL85_1I_SETUP	LAPD/LIBRARY/DL85_1I_SETUP	2104	Special procedure used to place the IUT in test state 8.5 - Timer Recovery/Peer Receiver Busy/Reject Recovery - with one frame sent by

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Test Step Identifier	Test Step Reference		Description
DL86_1I_SETUP	LAPD/LIBRARY/DL86_1I_SETUP	2104	IUT. Special procedure used to place the IUT in test state 8.6 - Timer Recovery/Peer Receiver Busy/Own Busy - with one frame sent by IUT.
DL87_1I_SETUP	LAPD/LIBRARY/DL87_1I_SETUP	2105	Special procedure used to place the IUT in test state 8.7 - Timer Recovery/Peer Receiver busy/Reject Recovery and Own Busy - with one frame sent by IUT.
DL80_2I_SETUP	LAPD/LIBRARY/DL80_2I_SETUP	2105	Special procedure used to place the IUT in test state 8.0 - Timer Recovery/Normal/Normal - with two frames sent by the IUT.
DL81_2I_SETUP	LAPD/LIBRARY/DL81_2I_SETUP	2106	Special procedure used to place the IUT in test state 8.1 - Timer Recovery/Normal/Reject Recovery - with two frames sent by the IUT.
DL82_2I_SETUP	LAPD/LIBRARY/DL82_2I_SETUP	2106	Special procedure used to place the IUT in test state 8.2 - Timer Recovery/Normal/Own Busy - with two frames sent by the IUT.
DL83_2I_SETUP	LAPD/LIBRARY/DL83_2I_SETUP	2107	Special procedure used to place the IUT in test state 8.3 - Timer Recovery/Normal/Reject Recovery and Own Busy - with two frames sent by the IUT.
DL84_2I_SETUP	LAPD/LIBRARY/DL84_2I_SETUP	2107	Special procedure used to place the IUT in test state 8.4 - Timer Recovery/Peer Receiver Busy/Normal - with two frames sent by the IUT.

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Test Step Identifier	Test Step Reference		Description
DL85_2I_SETUP # # # # #	LAPD/LIBRARY/DL85_2 I_SETUP	2108	Special procedure used to place the IUT in test state 8.5 - Timer Recovery/Peer Receiver Busy/Reject Recovery - with two frames sent by the IUT.
DL86_2I_SETUP # # # # #	LAPD/LIBRARY/DL86_2 I_SETUP	2108	Special procedure used to place the IUT in test state 8.6 - Timer Recovery/Peer Receiver Busy/Own Busy - with two frames sent by the IUT.
DL87_2I_SETUP # # # # #	LAPD/LIBRARY/DL87_2 I_SETUP	2109	Special procedure used to place the IUT in test state 8.7 - Timer Recovery/Peer Receiver busy/Reject Recovery and Own Busy - with two frames sent by the IUT.
REQ_K1_IFRAME # # # # #	LAPD/LIBRARY/REQ_K1 _IFRAME	2109	Special procedure used to request K I frames from the IUT and receive the first K I frames without acknowledging any.
REQ_1_IFRAME # # # # #	LAPD/LIBRARY/REQ_1_ IFRAME	2110	Special procedure used to request that the IUT send 1 I frame and leave the I frame unacknowledged.
REQ_2_IFRAME # # # # #	LAPD/LIBRARY/REQ_2_ IFRAME	2111	Special procedure used to request that the IUT send 2 I frames and leave them unacknowledged.
SET_TIMER_REC # # # # #	LAPD/LIBRARY/SET_TI MER_REC	2112	Special procedure used to place the IUT in Timer Recovery state.
SET_TIMER_REC_OBSY # # # # #	LAPD/LIBRARY/SET_TI MER_REC_OBSY	2112	Special procedure used to place the IUT in Timer Recovery state when it has previously been placed in own busy

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Test Step Identifier	Test Step Reference		Description
SET_PEER_BSY (ACKNO: #INTEGER) # # #	LAPD/LIBRARY/SET_PE ER_BSY	2113	state. Special procedure used to place the IUT in Peer Receiver Busy condition.
SET_REJ_REC (ACKNO: #INTEGER) # # #	LAPD/LIBRARY/SET_RE J_REC	2114	Special procedure used to place the IUT in Reject Recovery state.
SET_OWN_BSY # # # #	LAPD/LIBRARY/SET_OW N_BSY	2115	Procedure used to place the IUT in the Own Busy condition.
DL10_PREAMBLE # # # #	LAPD/PREAMBLE/DL10_ PREAMBLE	2115	Procedure to bring the IUT into TEI Unassigned state (1.0).
DL10S_PREAMBLE # # # #	LAPD/PREAMBLE/DL10S _PREAMBLE	2116	Procedure used to place the IUT into TEI Unassigned state (1.0).
DL20_PREAMBLE # # # #	LAPD/PREAMBLE/DL20_ PREAMBLE	2117	Procedure used to place the IUT into Assign Awaiting TEI state (2.0).
DL40_PREAMBLE # # # #	LAPD/PREAMBLE/DL40_ PREAMBLE	2118	Preamble to bring IUT into TEI Assigned state (state 4.0)
DL50_PREAMBLE # # # #	LAPD/PREAMBLE/DL50_ PREAMBLE	2119	Procedure used to place the IUT in test state 5.0 - Awaiting Establishment/Establish
DL51_PREAMBLE # # # #	LAPD/PREAMBLE/DL51_ PREAMBLE	2120	Procedure to use place the IUT in test state 5.1 - Awaiting Establishment/Re-establish.
DL60_PREAMBLE # # # #	LAPD/PREAMBLE/DL60_ PREAMBLE	2121	Procedure used to place the IUT in test state 6 - Awaiting Release.
DL70_PREAMBLE # # # #	LAPD/PREAMBLE/DL70_ PREAMBLE	2122	Procedure used to place the IUT in test state 7.0 - Multiple Frame Established/Normal/Normal.
DL71_PREAMBLE # # # #	LAPD/PREAMBLE/DL71_ PREAMBLE	2123	Procedure used to place the IUT in test state 7.1 - Multiple Frame

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Test Step Identifier	Test Step Reference		Description
" DL72_PREAMBLE "	LAPD/PREAMBLE/DL72_PREAMBLE	2124	Established/Normal/Reject Recovery. Procedure used to place the IUT in test state 7.2 - Multiple Frame Established/Normal/Own Busy.
" DL73_PREAMBLE "	LAPD/PREAMBLE/DL73_PREAMBLE	2125	Procedure used to place the IUT in test state 7.3 Multiple Frame Established/Normal/Reject Recovery and Own Busy.
" DL74_PREAMBLE "	LAPD/PREAMBLE/DL74_PREAMBLE	2126	Procedure used to place the IUT in the test state 7.4 - Multiple Frame Established/Peer Receiver Busy/Normal.
" DL75_PREAMBLE "	LAPD/PREAMBLE/DL75_PREAMBLE	2127	Procedure used to place the IUT in the test state 7.5 - Multiple Frame Established/Peer Receiver Busy/Reject Recovery.
" DL76_PREAMBLE "	LAPD/PREAMBLE/DL76_PREAMBLE	2128	Procedure used to place the IUT in test state 7.6 - Multiple Frame Established/Peer Receiver Busy/Own Busy.
" DL77_PREAMBLE "	LAPD/PREAMBLE/DL77_PREAMBLE	2129	Procedure used to place the IUT in test state 7.7 - Multiple Frame Established/Peer Receiver Busy/Reject Recovery and Own Busy.
" DL80_PREAMBLE "	LAPD/PREAMBLE/DL80_PREAMBLE	2130	Procedure used to place the IUT in test state 8.0 - Timer Recovery/Normal/Normal.
" DL81_PREAMBLE "	LAPD/PREAMBLE/DL81_PREAMBLE	2131	Procedure used to place the IUT in test state 8.1 - Timer Recovery/Normal/Reject Recovery.
" DL82_PREAMBLE "	LAPD/PREAMBLE/DL82_PREAMBLE	2132	Procedure used to place the IUT in test state

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Test Step Identifier	Test Step Reference		Description
" DL83_PREAMBLE "	LAPD/PREAMBLE/DL83_PREAMBLE	2133	8.2 - Timer Recovery/Normal/Own Busy. Procedure used to place the IUT in test state 8.3 - Timer Recovery/Normal/Reject Recovery.
" DL84_PREAMBLE "	LAPD/PREAMBLE/DL84_PREAMBLE	2134	Procedure used to place the IUT in test state 8.4 - Timer Recovery/Peer Receiver Busy/Normal.
" DL85_PREAMBLE "	LAPD/PREAMBLE/DL85_PREAMBLE	2135	Procedure used to place the IUT in test state 8.5 - Timer Recovery/Peer Receiver Busy/Reject Recovery.
" DL86_PREAMBLE "	LAPD/PREAMBLE/DL86_PREAMBLE	2136	Procedure used to place the IUT in test state 8.6 - Timer Recovery/Peer Receiver Busy/Own Busy.
" DL87_PREAMBLE "	LAPD/PREAMBLE/DL87_PREAMBLE	2137	Procedure used to place the IUT in test state 8.7 - Timer Recovery/Peer Receiver Busy/Reject Recovery and Own Busy.
" DL74S_PREAMBLE "	LAPD/PREAMBLE/DL74S_PREAMBLE	2138	Procedure used to place the IUT in Multiple Frame Established Peer Busy State (7.4) Using RNR/F=0.
" DL80S_PREAMBLE "	LAPD/PREAMBLE/DL80S_PREAMBLE	2139	Procedure to place the IUT in Timer Recovery state (8.0) with one I-frame unacknowledged by the tester.
" DL40_ID_VERIFICATION "	LAPD/VERIFICATION/DL40_ID_VERIFICATION	2140	Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL40_VERIFICATION, ensures that the IUT remains in State 4.

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Test Step Identifier	Test Step Reference		Description
DL50_ID_VERIFICATION	LAPD/VERIFICATION/D L50_ID_VERIFICATION	2141	Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL50_VERIFICATION, ensures that the IUT remains in State 5.
DL60_ID_VERIFICATION	LAPD/VERIFICATION/D L60_ID_VERIFICATION	2142	Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL60_VERIFICATION, ensures that the IUT remains in State 6.
DL70_ID_VERIFICATION	LAPD/VERIFICATION/D L70_ID_VERIFICATION	2143	Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL70_VERIFICATION, ensures that the IUT remains in State 7.
DL74_ID_VERIFICATION	LAPD/VERIFICATION/D L74_ID_VERIFICATION	2144	Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL74_VERIFICATION, ensures that the IUT remains in State 7.
DL80_ID_VERIFICATION	LAPD/VERIFICATION/D L80_ID_VERIFICATION	2145	Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL80_VERIFICATION, ensures that the

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Test Step Identifier	Test Step Reference		Description
DL84_ID_VERIFICATION	LAPD/VERIFICATION/D L84_ID_VERIFICATION	2146	IUT remains in State 8. Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL84_VERIFICATION, ensures that the IUT remains in State 8.
DL10_VERIFICATION	LAPD/VERIFICATION/D L10_VERIFICATION	2147	Procedure to verify that the IUT has removed the assigned TEI number and is in TEI unassigned state (1.0).
DL20_VERIFICATION	LAPD/VERIFICATION/D L20_VERIFICATION	2147	Verify that the IUT is in Assign Awaiting TEI state (2.0).
DL40_VERIFICATION	LAPD/VERIFICATION/D L40_VERIFICATION	2147	Verify that IUT is in TEI Assigned state (4.0).
DL50_VERIFICATION	LAPD/VERIFICATION/D L50_VERIFICATION	2148	Verify that IUT is in Awaiting Establishment state (5.0).
DL51_VERIFICATION	LAPD/VERIFICATION/D L51_VERIFICATION	2149	Verify that IUT is in Awaiting Establishment/Reestablish state (5.1).
DL60_VERIFICATION	LAPD/VERIFICATION/D L60_VERIFICATION	2150	Verify that IUT is in the Awaiting Release state (6.0).
DL70_VERIFICATION	LAPD/VERIFICATION/D L70_VERIFICATION	2151	Verify that the IUT is in Multiple Frame Established state (7.0).
DL71_VERIFICATION	LAPD/VERIFICATION/D L71_VERIFICATION	2152	Verify that the IUT is in Multiple Frame Established state (7.1).
DL72_VERIFICATION	LAPD/VERIFICATION/D L72_VERIFICATION	2153	Verify that the IUT is in Multiple Frame Established state (7.2).
DL73_VERIFICATION	LAPD/VERIFICATION/D L73_VERIFICATION	2154	Verify that the IUT is in Multiple Frame

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Test Step Identifier	Test Step Reference		Description
"			Established state (7.3)
DL74_VERIFICATION	LAPD/VERIFICATION/D L74_VERIFICATION	2155	Verify that the IUT is in Multiple Frame Established state (7.4)
DL75_VERIFICATION	LAPD/VERIFICATION/D L75_VERIFICATION	2156	Verify that the IUT is in Multiple Frame Established state (7.5)
DL76_VERIFICATION	LAPD/VERIFICATION/D L76_VERIFICATION	2157	Verify that the IUT is in Multiple Frame Established state (7.6)
DL77_VERIFICATION	LAPD/VERIFICATION/D L77_VERIFICATION	2158	Verify that the IUT is in Multiple Frame Established state (7.7)
DL80_VERIFICATION	LAPD/VERIFICATION/D L80_VERIFICATION	2159	Verify that the IUT is in Timer Recovery state (8.0).
DL81_VERIFICATION	LAPD/VERIFICATION/D L81_VERIFICATION	2160	Verify that the IUT is in Timer Recovery state (8.1).
DL82_VERIFICATION	LAPD/VERIFICATION/D L82_VERIFICATION	2161	Verify that the IUT is in Timer Recovery state (8.2).
DL83_VERIFICATION	LAPD/VERIFICATION/D L83_VERIFICATION	2162	Verify that the IUT is in Timer Recovery state (8.3).
DL84_VERIFICATION	LAPD/VERIFICATION/D L84_VERIFICATION	2163	Verify that the IUT is in Timer Recovery state (8.4).
DL85_VERIFICATION	LAPD/VERIFICATION/D L85_VERIFICATION	2164	Verify that the IUT is in Timer Recovery state (8.5).
DL86_VERIFICATION	LAPD/VERIFICATION/D L86_VERIFICATION	2165	Verify that the IUT is in Timer Recovery state (8.6).
DL87_VERIFICATION	LAPD/VERIFICATION/D L87_VERIFICATION	2166	Verify that the IUT is in Timer Recovery state (8.7).
DL40S_VERIFICATION	LAPD/VERIFICATION/D L40S_VERIFICATION	2167	Procedure used to verify that the IUT is in TEI Assigned state (4.0).

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Test Step Identifier	Test Step Reference		Description
DL17S_VERIFICATION	LAPD/VERIFICATION/D L17S_VERIFICATION	2168	Procedure used to verify that the IUT is in Multiple Frame Established state (7.0)
DL10_UNEXPECTED	LAPD/UNEXPECTED/DL1 0_UNEXPECTED	2169	To handle all acceptable unexpected messages
DL20_UNEXPECTED	LAPD/UNEXPECTED/DL2 0_UNEXPECTED	2169	To handle all acceptable unexpected messages
DL40_UNEXPECTED	LAPD/UNEXPECTED/DL4 0_UNEXPECTED	2169	To handle all acceptable unexpected messages
DL50_UNEXPECTED	LAPD/UNEXPECTED/DL5 0_UNEXPECTED	2170	To handle all acceptable unexpected messages
DL51_UNEXPECTED	LAPD/UNEXPECTED/DL5 1_UNEXPECTED	2170	To handle all acceptable unexpected messages
DL60_UNEXPECTED	LAPD/UNEXPECTED/DL6 0_UNEXPECTED	2171	To handle all acceptable unexpected messages
DL70_UNEXPECTED	LAPD/UNEXPECTED/DL7 0_UNEXPECTED	2171	To handle all acceptable unexpected messages
DL71_UNEXPECTED	LAPD/UNEXPECTED/DL7 1_UNEXPECTED	2171	To handle all acceptable unexpected messages
DL72_UNEXPECTED	LAPD/UNEXPECTED/DL7 2_UNEXPECTED	2172	To handle all acceptable unexpected messages
DL73_UNEXPECTED	LAPD/UNEXPECTED/DL7 3_UNEXPECTED	2172	To handle all acceptable unexpected messages
DL74_UNEXPECTED	LAPD/UNEXPECTED/DL7 4_UNEXPECTED	2173	To handle all acceptable unexpected messages
DL75_UNEXPECTED	LAPD/UNEXPECTED/DL7 5_UNEXPECTED	2173	To handle all acceptable unexpected messages
DL76_UNEXPECTED	LAPD/UNEXPECTED/DL7 6_UNEXPECTED	2173	To handle all acceptable unexpected messages
DL77_UNEXPECTED	LAPD/UNEXPECTED/DL7	2174	To handle all

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Test Step Identifier	Test Step Reference		Description
#	7_UNEXPECTED		acceptable unexpected messages
DL80_UNEXPECTED	LAPD/UNEXPECTED/DL80_UNEXPECTED	2174	To handle all acceptable unexpected messages
#			
DL81_UNEXPECTED	LAPD/UNEXPECTED/DL81_UNEXPECTED	2175	To handle all acceptable unexpected messages
#			
DL82_UNEXPECTED	LAPD/UNEXPECTED/DL82_UNEXPECTED	2175	To handle all acceptable unexpected messages
#			
DL83_UNEXPECTED	LAPD/UNEXPECTED/DL83_UNEXPECTED	2175	To handle all acceptable unexpected messages
#			
DL84_UNEXPECTED	LAPD/UNEXPECTED/DL84_UNEXPECTED	2176	To handle all acceptable unexpected messages
#			
DL85_UNEXPECTED	LAPD/UNEXPECTED/DL85_UNEXPECTED	2176	To handle all acceptable unexpected messages
#			
DL86_UNEXPECTED	LAPD/UNEXPECTED/DL86_UNEXPECTED	2177	To handle all acceptable unexpected messages
#			
DL87_UNEXPECTED	LAPD/UNEXPECTED/DL87_UNEXPECTED	2177	To handle all acceptable unexpected messages
#			
DL_POSTAMBLE	LAPD/POSTAMBLE/DL_POSTAMBLE	2178	Procedure used to return the IUT to the selected 'idle state'. Depending on the value of test suite parameter IDLE_STATE4, it will call either DL4_POSTAMBLE or DL7_POSTAMBLE to set the IUT to state 4.0 or 7.0. This routine is executed at the end of all test cases for Multiple Frame Operations.
#			
DL4_POSTAMBLE	LAPD/POSTAMBLE/DL4_POSTAMBLE	2179	Procedure used to return the IUT to TEI Assigned state (4.0) at the end of a test case for Multiple Frame
#			
#			

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Test Step Identifier	Test Step Reference		Description
#			Operations. This routine is executed when the test suite parameter IDLE_STATE4 is true.
DL7_POSTAMBLE	LAPD/POSTAMBLE/DL7_POSTAMBLE	2181	Procedure used to return the IUT to Multiple Frame Established state (7.0) at the end of a test case for Multiple Frame Operations. This routine is executed when the test suite parameter IDLE_STATE4 is false.
#			
Default Identifier	Default Reference		Description

User Type Definitions		
Name	Base Type	Definition
1 FIELD LONG		OctetString[521]
LONG 1 FIELD		OctetString[261]
VAR 1 FIELD		OctetString[260]

User Operation Definition	
Operation Name:CHECKTIMER(ElapsedTime,Timer,TimerTol:INTEGER)	
Result Type :BOOLEAN	
Description	
Procedure used to check the range of a timer. The Elapsed Time (temp) is compared to a Timer+TimerTol (TimerValue plus TimerTolerance, passed as parameters), and Timer-TimerTol (TimerValue minus Timer Tolerance). If #ElapsedTime is within the range: Timer-TimerTol <= ElapsedTime < #Timer+TimerTol then the value of "TRUE" is returned by this function.	

User Operation Definition	
Operation Name:RANDOM(low,high:INTEGER)	
Result Type :INTEGER	
Description	
Function returns a random number between low and high.	

Test Suite Parameters		
Name	Type	PICS/PIXIT Ref.
TEI_AUTO	BOOLEAN	PIXIT 1.
TEI_N	BitString	PIXIT 2.
UNUSED_TEI	BitString	PIXIT 3.
SAPLN	BitString	PIXIT 4.
SAPLU	BitString	PIXIT 5.
K	INTEGER	PIXIT 6.
N200	INTEGER	PIXIT 7.
N202	INTEGER	PIXIT 8.
CAN_INIT_IDREQ	BOOLEAN	PIXIT 9.
CAN_INIT_SABME	BOOLEAN	PIXIT 10.
CAN_SEND_SABME	BOOLEAN	PIXIT 11.

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Name	Type	PICS/PIXIT Ref.	Comments
T203value	INTEGER	PIXIT 24.	Value of T203 timer in milliseconds, if implemented.
DELTA	INTEGER	PIXIT 25.	The delay (ms) in processing and transferring messages between the IUT and tester.
Tdvalue	INTEGER	PIXIT 24, 25.	Enter the sum of T200 timer (PIXIT 23) and delay time (PIXIT 24).
T200_tol	INTEGER	PIXIT 26.	Tolerance of timer T200, if tested.
Tlvalue	INTEGER	PIXIT 27.	Value of timer, in milliseconds, used to ensure response from IUT when Layer 3 messages are expected.
ID_REM_ON_DUP_TEI	BOOLEAN	PIXIT 28.	Does the IUT remove its TEI value upon receipt of an ID-Assigment with AI duplicated? True if
Q931SW_PRESENT	BOOLEAN	PIXIT 29.	

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Name	Type	PICS/PIXIT Ref.	Comments
UNBOUNDED_FRAME	BOOLEAN	PIXIT 30.	True if IUT discards an unbounded frame if two times the longest permissible frame plus two octets are received without a flag detection. Enter the length of a frame at which a frame is considered unbounded.
TEIchk_no_IDReq	BOOLEAN	PIXIT 31.	Does the IUT check the TEI number of the Identity assigned message received if there is no Identity check request message outstanding?
STABLE_IN_S1	BOOLEAN	PIXIT 32.	Does the IUT remain in the TEI unassigned state after removal of

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Name	Type	PICS/PIXIT Ref.	Comments
#			the TEI number?
#			

Test Suite Constants			
Name	Type	Value	Comments
SETUP	OCTETSTRING	'08010105'0	L3 Setup message
RELEASE	OCTETSTRING	'0801014D'0	L3 Release message
REL_COMP	OCTETSTRING	'0801815A'0	L3 Release Complete message
T202value	INTEGER	2000	Minimum response time for TEI ID Request
REL_COMP_DCR	OCTETSTRING	'0801825A'0	L3 Release Complete message, with different CR
RELEASE_DCR	OCTETSTRING	'0801024D'0	L3 Release message, with different CR

Test Suite Variables		
Name	Type	Value
AI_No	INTEGER	For AI (TEI) number in UI_Mgmt frame
NR_No	BITSTRING	For assigning N(R)
RI_No	INTEGER	For RI number in UI_Mgmt frames
TEI_No	INTEGER	For assigning TEI number
V_S	INTEGER	The state variable V(S) on IUT.
V_R	INTEGER	The state variable V(R) on IUT.
V_A	INTEGER	The state variable V(A) on IUT.
temp	INTEGER	For reading timer values.

Test Case Variables		
Name	Type	Value
AI_Num	INTEGER	For 2nd AI (TEI) number in Id check request list
BADPCS	Bitstring	For incorrect Frame Check Sequence
CNT	INTEGER	Counter for retransmissions
FAIL_FL	BOOLEAN	Flag: set TRUE or FALSE
FLAG	BOOLEAN	Flag: set TRUE or FALSE
I_CNT	INTEGER	Counter for I frames sent from IUT
ID_REQ_CNT	INTEGER	Counter for number of Id Requests transmitted by IUT
ME_ID	Octetstring	For invalid Management Entity Identifier in UI_Mgmt
MSG_TYPE	Octetstring	For invalid Message Type in UI_Mgmt
N_S	INTEGER	For value of N(S) when the tester needs to send an I frame.
N_R	INTEGER	For value of N(R) when the tester needs to send a supervisory or I frame to IUT.
RC	INTEGER	Retransmission count
S_N	Bitstring	For invalid SAPI value
T_N	Bitstring	For invalid TEI value
V_RI	INTEGER	For incrementing expected V(R) value from IUT

PCO Type Declarations		
Name	Type	Role
L	L2SAP	Lf
#		Point of control at lower tester

Timer Declarations		
Timer Name	Duration	Units
T200	T200value	ms
T201	T200value	ms
T202	2000	ms
T203	T203value	ms
Topr	3	min
Td	Tdvalue	ms
Tl	Tlvalue	ms

PDU Type Declaration		
PDU Name:ABORT_FRM	PCO Type:	Comments
		Comments:A PDU that contains seven consecutive ones after zero bit insertion has been performed. This shall be interpreted as an aborted frame.

PDU Field Information		
Field Name	Type	Comments
TEXT	Octetstring	Insert seven consecutive ones after zero bit insertion

PDU Type Declaration		
PDU Name:DISC	PCO Type:	Comments:Disconnect
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	Cmd / Resp
EA_0	Bitstring	
TEI	Bitstring	TEI number
EA_1	Bitstring	
P	Bitstring	poll bit

PDU Type Declaration		
PDU Name:DISC_TL	PCO Type:	Comments:DISC Too Long - Information field added
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	Cmd / Resp
EA_0	Bitstring	
TEI	Bitstring	TEI number
EA_1	Bitstring	
P	Bitstring	poll bit
I_FIELD	Octetstring	

PDU Type Declaration		
PDU Name:DM	PCO Type:	Comments:Disconnect Mode
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	Cmd / Resp
EA_0	Bitstring	
TEI	Bitstring	TEI number
EA_1	Bitstring	

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Field Name	Type	Comments
F	Bitstring	Final bit

PDU Type Declaration		
PDU Name:DM_TL	PCO Type:	Comments:DM Too Long - information field added
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	Cmdnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
F	Bitstring	TEI number
I_FIELD	Octetstring	final bit

PDU Type Declaration		
PDU Name:FRMR_DISC	PCO Type:	Comments:FRMR rejecting Disconnect frame.
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	Cmdnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
F	Bitstring	TEI number
REJDISC_H	Bitstring	final bit
V_S	Bitstring	cntrl field
V_R	Bitstring	
CR	Bitstring	
WXYZ	Bitstring	

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PDU Type Declaration		
PDU Name:FRMR_DM	PCO Type:	Comments:FRMR rejecting Disconnected Mode frame.
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	Cmdnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
F	Bitstring	TEI number
REJDM_H	Bitstring	final bit
V_S	Bitstring	cntrl field
V_R	Bitstring	
CR	Bitstring	
WXYZ	Bitstring	

PDU Type Declaration		
PDU Name:FRMR_I	PCO Type:	Comments:FRMR rejecting Information frame.
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	Cmdnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
F	Bitstring	TEI number
REJINS	Bitstring	final bit
REJNR	Bitstring	cntrl field
REJP	Bitstring	cntrl field
V_S	Bitstring	
V_R	Bitstring	
CR	Bitstring	
WXYZ	Bitstring	

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PDU Type Declaration	
PDU Name:FRMR_RR	PCO Type:
Comments:FRMR rejecting Receive Ready frames	
PDU Field Information	
Field Name	Type
SAPI	Bitstring
C_R	Bitstring
EA_0	Bitstring
TEI	Bitstring
EA_1	Bitstring
F	Bitstring
REJRR_H	Bitstring
REJRR_NR	Bitstring
REJRR_F	Bitstring
V_S	Bitstring
V_R	Bitstring
CR	Bitstring
WXYZ	Bitstring

PDU Type Declaration	
PDU Name:FRMR_SA	PCO Type:
Comments:FRMR rejecting Set Asynchronous Balanced Mode Extended frame.	
PDU Field Information	
Field Name	Type
SAPI	Bitstring
C_R	Bitstring
EA_0	Bitstring
TEI	Bitstring
EA_1	Bitstring
F	Bitstring
REJSA_H	Bitstring
V_S	Bitstring
V_R	Bitstring
CR	Bitstring
WXYZ	Bitstring

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PDU Type Declaration	
PDU Name:FRMR_SUP	PCO Type:
Comments:FRMR rejecting Supervisory frame.	
PDU Field Information	
Field Name	Type
SAPI	Bitstring
C_R	Bitstring
EA_0	Bitstring
TEI	Bitstring
EA_1	Bitstring
F	Bitstring
REJSUP_H	Bitstring
REJSUP_NR	Bitstring
REJSUP_F	Bitstring
V_S	Bitstring
V_R	Bitstring
CR	Bitstring
WXYZ	Bitstring

PDU Type Declaration	
PDU Name:FRMR_TL	PCO Type:
Comments:FRMR Too Long - rejecting Receive Ready frames	
PDU Field Information	
Field Name	Type
SAPI	Bitstring
C_R	Bitstring
EA_0	Bitstring
TEI	Bitstring
EA_1	Bitstring
F	Bitstring
REJRR_H	Bitstring
REJRR_NR	Bitstring
REJRR_F	Bitstring
V_S	Bitstring
V_R	Bitstring
CR	Bitstring
WXYZ	Bitstring
I_FIELD	LONG_I_FIELD

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PDU Type Declaration	
PDU Name:FRMR_UA	PCO Type: FRMR rejecting Unnumbered Acknowledge frame.
PDU Field Information	
Field Name	Type Comments
SAPI	Bitstring
C_R	Bitstring
EA_0	Bitstring
TEI	Bitstring
EA_1	Bitstring
F	Bitstring
REJUA_H	Bitstring
V_S	Bitstring
V_R	Bitstring
CR	Bitstring
WXYZ	Bitstring

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PDU Type Declaration	
PDU Name:I_FCS	PCO Type: Information frame with bad FCS
PDU Field Information	
Field Name	Type Comments
SAPI	Bitstring
C_R	Bitstring
EA_0	Bitstring
TEI	Bitstring
EA_1	Bitstring
N_S	Bitstring
N_R	Bitstring
P	Bitstring
I_Field	Octetstring
#	Information field - protocol discriminator
NEW_FCS	Bitstring
#	This field should contain a bad Frame Check Sequence

PDU Type Declaration	
PDU Name:I	PCO Type: Information
PDU Field Information	
Field Name	Type Comments
SAPI	Bitstring
C_R	Bitstring
EA_0	Bitstring
TEI	Bitstring
EA_1	Bitstring
N_S	Bitstring
N_R	Bitstring
P	Bitstring
I_Field	Octetstring
#	Information field - protocol discriminator

PDU Type Declaration	
PDU Name:I_NF	PCO Type: Information frame that is not bounded by two flags.
PDU Field Information	
Field Name	Type Comments
SAPI	Bitstring
C_R	Bitstring
EA_0	Bitstring
TEI	Bitstring
EA_1	Bitstring
N_S	Bitstring
N_R	Bitstring
P	Bitstring
I_Field	Octetstring
#	Information field - protocol discriminator
NEW_FCS	Bitstring
#	This field should contain a bad Frame Check Sequence

PDU Type Declaration		
PDU Name: I_TL	PCO Type:	Comments: Information Too Long
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	Cmd / Resp
EA_0	Bitstring	
TEI	Bitstring	TEI number
EA_1	Bitstring	
N_S	Bitstring	N(S)
N_R	Bitstring	N(R)
P_F	Bitstring	poll bit
I_FIELD	LONG_I_FIELD	

PDU Type Declaration		
PDU Name: REJ	PCO Type:	Comments: Reject
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	Cmd / Resp
EA_0	Bitstring	
TEI	Bitstring	TEI number
EA_1	Bitstring	
N_R	Bitstring	N(R)
P_F	Bitstring	poll/final bit

PDU Type Declaration		
PDU Name: REJ_TL	PCO Type:	Comments: REJ Too Long
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	Cmd / Resp
EA_0	Bitstring	
TEI	Bitstring	TEI number
EA_1	Bitstring	
N_R	Bitstring	N(R)
P_F	Bitstring	poll bit
I_FIELD	Octetstring	

PDU Type Declaration		
PDU Name: RNR	PCO Type:	Comments: Receive Not Ready
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	Cmd / Resp
EA_0	Bitstring	
TEI	Bitstring	TEI number
EA_1	Bitstring	
N_R	Bitstring	N(R)
P_F	Bitstring	poll/final bit

PDU Type Declaration			
PDU Name:RNR_TL	PCO Type:	Comments:RNR Too Long	
Field Name	Type	Comments	
SAPI	Bitstring	Cmdnd / Resp	
C_R	Bitstring		
EA_0	Bitstring	TEI number	
TEI	Bitstring		
EA_1	Bitstring	N(R)	
N_R	Bitstring		
P_F	Bitstring	poll bit	
I_FIELD	Octetstring		

PDU Type Declaration			
PDU Name:RR	PCO Type:	Comments:Receive Ready	
Field Name	Type	Comments	
SAPI	Bitstring	Cmdnd / Resp	
C_R	Bitstring		
EA_0	Bitstring	TEI number	
TEI	Bitstring		
EA_1	Bitstring	N(R)	
N_R	Bitstring		
P_F	Bitstring	poll/final bit	

PDU Type Declaration			
PDU Name:RRB	PCO Type:	Comments:Receive Ready	
Field Name	Type	Comments	
SAPI	Bitstring	Cmdnd / Resp	
C_R	Bitstring		
EA_0	Bitstring	TEI number	
TEI	Bitstring		
EA_1	Bitstring		

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Field Name	Type	Comments
N_R	Bitstring	N(R)
P_F	Bitstring	poll/final bit

PDU Type Declaration			
PDU Name:RR_TL	PCO Type:	Comments:RR Too Long	
Field Name	Type	Comments	
SAPI	Bitstring	Cmdnd / Resp	
C_R	Bitstring		
EA_0	Bitstring	TEI number	
TEI	Bitstring		
EA_1	Bitstring	N(R)	
N_R	Bitstring		
P_F	Bitstring	poll/final bit	
I_FIELD	Octetstring		

PDU Type Declaration			
PDU Name:SABME	PCO Type:	Comments:Set Asynchronous Balanced Mode Extended	
Field Name	Type	Comments	
SAPI	Bitstring	Cmdnd / Resp	
C_R	Bitstring		
EA_0	Bitstring	TEI number	
TEI	Bitstring		
EA_1	Bitstring	poll bit	
P	Bitstring		

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PDU Type Declaration		
PDU Name:SABME_FCS	PCO Type:	Comments:SABME that has a bad Frame Check Sequence (FCS)
Field Name	Type	Comments
SAPI	Bitstring	Cmnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
P	Bitstring	poll bit
NEW_FCS	Bitstring	This field should contain a bad Frame Check Sequence
#		

PDU Type Declaration		
PDU Name:SABME_NOT	PCO Type:	Comments:SABME that is not octet aligned; the control field (CF) has seven bits.
Field Name	Type	Comments
SAPI	Bitstring	Cmnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
P	Bitstring	poll bit
NEW_CF	Bitstring	This field should contain a seven bit control field.
#		

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PDU Type Declaration		
PDU Name:SABME_SRT	PCO Type:	Comments:SABME that is one octet too short.
Field Name	Type	Comments
SAPI	Bitstring	Cmnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
P	Bitstring	
		poll bit

PDU Type Declaration		
PDU Name:SABME_TL	PCO Type:	Comments:SABME Too Long
Field Name	Type	Comments
SAPI	Bitstring	Cmnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
P	Bitstring	poll bit
I_FIELD	Octetstring	extra invalid field

PDU Type Declaration		
PDU Name:UA	PCO Type:	Comments:Unnumbered Acknowledgment
Field Name	Type	Comments
SAPI	Bitstring	Cmnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
F	Bitstring	poll bit

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PDU Type Declaration		
PDU Name:UA_TL	PCO Type:	Comments:UA Too Long
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	Cmnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
F	Bitstring	final bit
I_FIELD	Octetstring	extra invalid field

PDU Type Declaration		
PDU Name:UI	PCO Type:	Comments:UI Frame
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
P	Bitstring	
I_Field	Octetstring	

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PDU Type Declaration		
PDU Name:UI_FCS	PCO Type:	Comments:UI with bad FCS
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	Cmnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
P	Bitstring	poll bit
I_Field	Octetstring	Information field
NEW_FCS	Bitstring	This field should contain a bad Frame Check Sequence

PDU Type Declaration		
PDU Name:UI_Mgmt	PCO Type:	Comments:UI frame with text of TEI management
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	Cmnd / Resp
C_R	Bitstring	
EA_0	Bitstring	
TEI	Bitstring	
EA_1	Bitstring	
P	Bitstring	poll bit
ME_ID	Octetstring	Management Entity Identifier
Ri	Bitstring	UI Management message type For TEI numbers
MSG_TYPE	Octetstring	
AI	Octetstring	
E	Bitstring	

PDU Type Declaration		
PDU Name: UI_Mgmt_req 1st	PCO Type:	Comments: UI frame with text of TEI management
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	Cmdnd / Resp
EA_0	Bitstring	
TEI	Bitstring	TEI number
EA_1	Bitstring	
P	Bitstring	poll bit
ME_ID	Bitstring	Management Entity Identifier
Ri	Octetstring	
MSG_TYPE	Bitstring	UI Management message type
AI_1	Octetstring	For 1st TEI number
E_1	Bitstring	Extension bit
AI_2	Bitstring	For 2nd TEI number
E_2	Bitstring	Extension bit

PDU Type Declaration		
PDU Name: UI_Mgmt_res 1st	PCO Type:	Comments: UI frame with text of TEI management
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	Cmdnd / Resp
EA_0	Bitstring	
TEI	Bitstring	TEI number
EA_1	Bitstring	
P	Bitstring	poll bit
ME_ID	Octetstring	Management Entity Identifier
Ri	Bitstring	
MSG_TYPE	Octetstring	UI Management message type
TEXT	Octetstring	For variable number of TEI values listed in Id Check
#		Response sent by IUT
#		

PDU Type Declaration		
PDU Name: UI_TL	PCO Type:	Comments: UI Too Long
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	Cmdnd / Resp
EA_0	Bitstring	
TEI	Bitstring	TEI number
EA_1	Bitstring	
P	Bitstring	poll bit
I_Field	Octetstring	Information field

PDU Type Declaration		
PDU Name: UNDEF	PCO Type:	Comments: Undefined unnumbered frame with no control field
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	
C_R	Bitstring	Cmdnd / Resp
EA_0	Bitstring	
TEI	Bitstring	TEI number
EA_1	Bitstring	
NEW_CF	Octetstring	This field should contain an invalid number for the frame control field
#		
#		

PDU Type Declaration		
PDU Name:XID	PCO Type:	Comments:
PDU Field Information		
Field Name	Type	Comments
SAPI	Bitstring	Cmdnd / Resp
C_R	Bitstring	
EA_0	Bitstring	TEI number
TEI	Bitstring	
EA_1	Bitstring	poll/final bit
P_F	Bitstring	
I_FIELD	VAR_I_FIELD	Text of XID is variable length
#		

PDU Constraint Declaration		
PDU Name:ABORT_FRM	Constraint Name:ABORT_FRM1	
Field Name	Value	
TEXT	?	
Comments:1) A PDU that contains 7 consecutive ones after zero -bit insertion has been performed. This shall be interpreted as an aborted frame., 2)		

PDU Constraint Declaration		
PDU Name:DISC	Constraint Name:DISC0_UC	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
P	'0'B	
Comments:1) , 2) , 3) , 4) , 5) , 6)		

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PDU Constraint Declaration		
PDU Name:DISC	Constraint Name:DISC1_UC	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
P	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6)		

PDU Constraint Declaration		
PDU Name:DISC	Constraint Name:DISC0_NC	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
P	'0'B	
Comments:1) , 2) , 3) , 4) , 5) , 6)		

PDU Constraint Declaration		
PDU Name:DISC	Constraint Name:DISC_TL1 NC	Value
Field Name		
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
P	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:DISC_TL	Constraint Name:DISC_TL1 NC	Value
Field Name		
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
P	'1'B	
I_FIELD	'11'0	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:DISC_TL	Constraint Name:DISC_TL2 NC	Value
Field Name		
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
P	'1'B	
I_FIELD	'11111'0	
Comments:		

PDU Constraint Declaration		
PDU Name:DM	Constraint Name:DM0 NR	Value
Field Name		
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'0'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:DM	Constraint Name:DM1 NR	Value
Field Name		
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6)		

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PDU Constraint Declaration		
PDU Name:DM	Constraint Name:DMF_NR(F:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	F	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:DM	Constraint Name:DM0_UR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'0'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:DM	Constraint Name:DMF_UR(F:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	F	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:DM_TL	Constraint Name:DM_TL0_NR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'0'B	
I_FIELD	'11'O	

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PDU Constraint Declaration		
PDU Name:FRMR_RR	Constraint Name:FRMR_RR1_NR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'1'B	
REJRR_H	'00000001'B	
REJRR_NR	'0'B	
REJRR_F	'1'B	
V_S	'0'B	
V_R	'0'B	
CR	'1'B	
WXYZ	'0001'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10) , 11) , 12) , 13) , 14)		

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PDU Constraint Declaration		
PDU Name:FRMR_SUP	Constraint Name:FRMR_SUP1_NR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'1'B	
REJSUP_H	'00000101'B	
REJSUP_NR	'0'B	
REJSUP_F	'1'B	
V_S	'0'B	
V_R	'0'B	
CR	'1'B	
WXYZ	'0001'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10) , 11) , 12) , 13) , 14)		

PDU Constraint Declaration		
PDU Name:FRMR_SA	Constraint Name:FRMR_SA1_NR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'1'B	
REJSA_H	'01111111'B	
V_S	'0'B	
V_R	'0'B	
CR	'0'B	
WXYZ	'1100'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10) , 11) , 12)		

PDU Constraint Declaration		
PDU Name:FRMR_TL	Constraint Name:FRMR_TL0_NR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'0'B	
REJRR_H	'00000001'B	
REJRR_NR	'0'B	
REJRR_F	'1'B	
V_S	'0'B	
V_R	'0'B	
CR	'1'B	
WXYZ	'0000'B	
I_FIELD	'11'O	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10) , 11)		

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, 12) , 13) , 14) , 15)

PDU Constraint Declaration		
PDU Name:FRMR_TL	Constraint Name:FRMR_TL1_NR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'1'B	
REJRR_H	'00000001'B	
REJRR_NR	'0'B	
REJRR_F	'1'B	
V_S	'0'B	
V_R	'0'B	
CR	'1'B	
WXYZ	'0000'B	
I_Field	'11'0	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10) , 11) , 12) , 13) , 14) , 15)		

PDU Constraint Declaration		
PDU Name:FRMR_UA	Constraint Name:FRMR_UA1_NR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'1'B	
REJUA_H	'01110011'B	
V_S	'0'B	
V_R	'0'B	
CR	'1'B	
WXYZ	'1100'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10) , 11) , 12)		

PDU Constraint Declaration		
PDU Name:I	Constraint Name:IO_NC(N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'0'B	
I_Field	'FF'0	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10)		

PDU Constraint Declaration		
PDU Name:I	Constraint Name:I0_NC_NI(N_S,N_R:BITSTRING)	Value
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'0'B	
I_Field	-	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) No information field present, 10)		

PDU Constraint Declaration		
PDU Name:I	Constraint Name:I0_UC(N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'0'B	
I_Field	?	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10)		

PDU Constraint Declaration		
PDU Name:I	Constraint Name:I1_NC(N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'1'B	
I_Field	'FF'0	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10)		

PDU Constraint Declaration		
PDU Name:I	Constraint Name:I1_UC(N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'1'B	
I_Field	?	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10)		

PDU Constraint Declaration		
PDU Name:I	Constraint Name:IN10_NC(N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'_B	
EA_0	'0'_B	
TEI	TEI_N	
EA_1	'1'_B	
N_S	N_S	
N_R	N_R	
P	'0'_B	
I_Field	RELEASE	
Comments:I frame w/ Release message.		

PDU Constraint Declaration		
PDU Name:I	Constraint Name:IN20_UC(N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'0'B	
I_Field	REL_COMP	
Comments:I frame with Release Complete message		

PDU Constraint Declaration		
PDU Name:I	Constraint Name:IN30_NC(N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'0'B	
I_Field	REL_COMP	
Comments:I frame with Release Complete message.		

PDU Constraint Declaration		
PDU Name:I	Constraint Name:IN41_UC(N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'1'B	
I_Field	REL_COMP	
Comments:I frame with Release Complete message		

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PDU Constraint Declaration		
PDU Name:I	Constraint Name:IN51_NC(N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'1'B	
I_Field	REL_COMP	
Comments:I frame with Release Complete message.		

PDU Constraint Declaration		
PDU Name:I	Constraint Name:IN60_NC(N_S,N_R: BTSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'0'B	
I_Field	RELEASE_DCR	
Comments:I	frame w/ Release message.	

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PDU Constraint Declaration		
PDU Name:I	Constraint Name:IN70_UC(N_S,N_R: BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'0'B	
I_Field	REL_COMP_DCR	
Comments:I frame with Release Complete message.		

PDU Constraint Declaration		
PDU Name:I	Constraint Name:IP_NC(N_S,N_R,P: BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	P	
I_Field	'FF'0	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10)		

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PDU Constraint Declaration		
PDU Name:I	Constraint Name:IP_UC(N_S,N_R,P:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	P	
I_Field	?	
Comments:1)	2), 3), 4), 5), 6)	
	7), 8), 9), 10)	

PDU Constraint Declaration		
PDU Name:I	Constraint Name:ITEI_NC(TEI_No,N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_No	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'1'B	
I_Field	'FF'O	
Comments:1)	2), 3), 4), 5), 6)	
	7), 8), 9), 10)	

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PDU Constraint Declaration		
PDU Name:I_FCS	Constraint Name:IFCS0_NC(N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'0'B	
I_Field	'FF'O	
NEW_FCS	BAD_FCS	
Comments:1)	2), 3), 4), 5), 6)	
	7), 8), 9), 10)	
NEW_FCS field contains a bad FCS value for frame being transmitted, 11)		

PDU Constraint Declaration		
PDU Name:I_NF	Constraint Name:INF1_NC(N_S,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_S	N_S	
N_R	N_R	
P	'1'B	
I_Field	'11'O[UNBOUNDED_SIZE]	
Comments:1)	2), 3), 4), 5), 6)	
	7), 8), 9), 10) Refer to PIXIT 30.	

LAPD Conformance Testing

PDU Constraint Declaration	
PDU Name:I_TL	Constraint Name:I_TL_NC(N_S,N_R:BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'1'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_S	N_S
N_R	N_R
P	'1'B
I_FIELD	'11'0
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10)	

LAPD Conformance Testing

PDU Constraint Declaration	
PDU Name:REJ	Constraint Name:REJO_NR(N_R:BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'0'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	N_R
P_F	'0'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)	

PDU Constraint Declaration	
PDU Name:REJ	Constraint Name:REJO_NC(N_R:BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'1'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	N_R
P_F	'0'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)	

PDU Constraint Declaration	
PDU Name:REJ	Constraint Name:REJO_UR(N_R:BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'1'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	N_R
P_F	'0'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)	

PDU Constraint Declaration		
PDU Name:REJ	Constraint Name:REJ0_UC(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'0'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:REJ	Constraint Name:REJ1_NC(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:REJ	Constraint Name:REJ1_NR(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:REJ	Constraint Name:REJ1_UC(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

LAPD Conformance Testing

PDU Constraint Declaration		
PDU Name:REJ	Constraint Name:REJ_TL0_NC(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:REJ_TL	Constraint Name:REJ_TL0_NC(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'0'B	
I_FIELD	'1'0	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9)		

LAPD Conformance Testing

PDU Constraint Declaration		
PDU Name:REJ_TL	Constraint Name:REJ_TL1_NC(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'1'B	
I_FIELD	'1'0	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9)		

PDU Constraint Declaration		
PDU Name:RNR	Constraint Name:RNR0_NC(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'0'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

LAPD Conformance Testing

PDU Constraint Declaration		
PDU Name:RNR	Constraint Name:RNR0_NR(N R: BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'0'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

LAPD Conformance Testing

PDU Constraint Declaration		
PDU Name:RNR	Constraint Name:RNR0_UR(N R: BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'0'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:RNR	Constraint Name:RNR0_UC(N R: BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'0'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:RNR	Constraint Name:RNR1_NC(N R: BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

LAPD Conformance Testing

PDU Constraint Declaration	
PDU Name:RNR	Constraint Name:RNR_UC(N R: BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'0'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	N_R
P_F	'1'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)	

PDU Constraint Declaration	
PDU Name:RNR	Constraint Name:RNR_UC(N R: BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'0'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	N_R
P_F	'1'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)	

LAPD Conformance Testing

PDU Constraint Declaration	
PDU Name:RNR	Constraint Name:RNR_UR(N R: BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'1'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	N_R
P_F	'1'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)	

PDU Constraint Declaration	
PDU Name:RNR_TL	Constraint Name:RNR_TL_NC(N R: BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'1'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	N_R
P_F	'0'B
I_FIELD	'1'Q
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9)	

LAPD Conformance Testing

PDU Constraint Declaration		
PDU Name:RNR_TL	Constraint Name:RNR_TL NC(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
NR	NR	
P_F	'1'B	
I_FIELD	'1'0	
Comments:1)	2) , 3) , 4) , 5) , 6)	
	, 7) , 8) , 9)	

LAPD Conformance Testing

PDU Constraint Declaration		
PDU Name:RR	Constraint Name:RR0_NC(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
NR	NR	
P_F	'0'B	
Comments:1)	2) , 3) , 4) , 5) , 6)	
	, 7) , 8)	

PDU Constraint Declaration		
PDU Name:RR	Constraint Name:NR0_UC(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
NR	NR_No	
P_F	'1'B	
Comments:1)	2) , 3) , 4) , 5) , 6)	
	, 7) , 8)	

PDU Constraint Declaration		
PDU Name:RR	Constraint Name:RR0_NR(N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
NR	NR	
P_F	'0'B	
Comments:1)	2) , 3) , 4) , 5) , 6)	
	, 7) , 8)	

LAPD Conformance Testing

PDU Constraint Declaration	
PDU Name:RR	Constraint Name:RR0_UC(N_R:BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'0'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	N_R
P_F	'0'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)	

LAPD Conformance Testing

PDU Constraint Declaration	
PDU Name:RR	Constraint Name:RR1_NC(N_R:BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'1'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	N_R
P_F	'1'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)	

PDU Constraint Declaration	
PDU Name:RR	Constraint Name:RR0_UR(N_R:BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_P	'1'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	N_R
P_F	'0'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)	

PDU Constraint Declaration	
PDU Name:RR	Constraint Name:RR1_NK(N_R:BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'0'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	N_R
P_F	'1'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)	

PDU Constraint Declaration		
PDU Name:RR	Constraint Name:RR1 UC(N R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6)		
, 7) , 8)		

PDU Constraint Declaration		
PDU Name:RR	Constraint Name:RR1 UR(N R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6)		
, 7) , 8)		

PDU Constraint Declaration		
PDU Name:RRB	Constraint Name:RRR1 NC(N R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
N_R	N_R	
P_F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6)		
, 7) , 8)		

PDU Constraint Declaration		
PDU Name:RR	Constraint Name:RRTEI1 NC(TEI_No,N_R:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_No	
EA_1	'1'B	
N_R	N_R	
P_F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6)		
, 7) , 8)		

PDU Constraint Declaration	
PDU Name:RR_TL	Constraint Name:RR_TL0_NC(N R: BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'1'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	'0'B
P_F	'1'B
I_FIELD	'1'0
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9)	

PDU Constraint Declaration	
PDU Name:RR_TL	Constraint Name:RR_TL1_NC(N R: BITSTRING)
Field Name	Value
SAPI	SAPI_N
C_R	'1'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
N_R	'0'B
P_F	'1'B
I_FIELD	'1'0
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8) , 9)	

PDU Constraint Declaration	
PDU Name:SABME	Constraint Name:SABME0_NC
Field Name	Value
SAPI	SAPI_N
C_R	'1'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
P	'0'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)	

PDU Constraint Declaration	
PDU Name:SABME	Constraint Name:SABME0_UC
Field Name	Value
SAPI	SAPI_N
C_R	'0'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
P	'0'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)	

PDU Constraint Declaration	
PDU Name:SABME	Constraint Name:SABME1_NC
Field Name	Value
SAPI	SAPI_N
C_R	'1'B
EA_0	'0'B
TEI	TEI_N
EA_1	'1'B
P	'1'B
Comments:1) , 2) , 3) , 4) , 5) , 6)	

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PDU Constraint Declaration		
PDU Name:SABME	Constraint Name:SABME1_UC	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI_N	TEI_N	
EA_1	'1'B	
P	'1'B	
Comments:1) 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:SABME	Constraint Name:SABME1_NC	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'1'B	
TEI_N	TEI_N	
EA_1	'1'B	
P	'1'B	
Comments:1) , 2) , 3) Set EA_0 to 1 to indicate single octet address field, invalid frame, 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:SABME	Constraint Name:SABME1_NC	
Field Name	Value	
SAPI	SAPI_U	
C_R	'1'B	
EA_0	'0'B	
TEI_N	TEI_N	
EA_1	'1'B	
P	'1'B	
Comments:1) Unsupported SAPI value provided by vendor, 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:SABME	Constraint Name:SABMETEI1_NC(TEI_No: BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_No	
EA_1	'1'B	
P	'1'B	
Comments:1) , 2) , 3) , 4) TEI_No <> TEI assigned for testing, 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:SABME_FCS	Field Name	Constraint Name:SABMEFCS1_NC Value
SAPI		SAPI_N
C_R		'1'B
EA_0		'0'B
TEI		TEI_N
EA_1		'1'B
P		'1'B
NEW_FCS		BADFCS
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) Contains a bad FCS value for frame being transmitted, 8)		

PDU Constraint Declaration		
PDU Name:SABME_NOT	Field Name	Constraint Name:SABMENOT1_NC Value
SAPI		SAPI_N
C_R		'1'B
EA_0		'0'B
TEI		TEI_N
EA_1		'1'B
P		'1'B
NEW_CF		'111111'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) Command field contains only 7 bits, frame will not be octet aligned, 8)		

PDU Constraint Declaration		
PDU Name:SABME_SRT	Field Name	Constraint Name:SABMESRT1_NC Value
SAPI		SAPI_N
C_R		'1'B
EA_0		'0'B
P		'1'B
Comments:1) SABME is one octet too short, 2) , 3) , 4) , 5)		

PDU Constraint Declaration		
PDU Name:SABME_TL	Field Name	Constraint Name:SABME_TL1_NC Value
SAPI		SAPI_N
C_R		'1'B
EA_0		'0'B
TEI		TEI_N
EA_1		'1'B
P		'1'B
I_FIELD		'11'O
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:UA	Field Name	Constraint Name:UA0_NR Value
SAPI		SAPI_N
C_R		'0'B
EA_0		'0'B
TEI		TEI_N
EA_1		'1'B
F		'0'B
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:UA	Constraint Name:UA0 UR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'0'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:UA	Constraint Name:UA1_N	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:UA	Constraint Name:UA1_UR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'1'B	
Comments:1) , 2) , 3) , 4) , 5) , 6)		

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PDU Constraint Declaration		
PDU Name:UA	Constraint Name:UAF_NR(F:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	F	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:UA	Constraint Name:UAF_UR(F:BITSTRING)	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	F	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7)		

PDU Constraint Declaration		
PDU Name:UA_TL	Constraint Name:UA_TL0_NR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'0'B	
I_FIELD	'11'0	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:UA_TL	Constraint Name:UA_TL1_NR	
Field Name	Value	
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
F	'1'B	
I_FIELD	'11'0	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:UI	Constraint Name:UI0_1	
Field Name	Value	
SAPI	'0'B	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
P	'0'B	
I_Field	SETUP	
Comments:		

PDU Constraint Declaration		
PDU Name:UI	Constraint Name:UI0_NC_NI	
Field Name	Value	
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
P	'0'B	
I_Field	-	
Comments:1) , 2) N->U Command, 3) , 4) , 5) , 6) , 7) Information Field is omitted, 8)		

PDU Constraint Declaration	
PDU Name: UI_FCS	Constraint Name: UI0_FCS_NC
Field Name	Value
SAPI	'111111'B
C_R	'1'B
EA_0	'0'B
TEI_N	'1111111'B
EA_1	'1'B
P	'0'B
I_Field	'11'0
NEW_FCS	BAD_FCS
Comments: 1) 2) N->U Command, 3) , 4) , 5) , 6) , 7) Information Field will contain octetstring plus added zeros to equal N201+1 octets, 8) A bad FCS value, 9)	

PDU Constraint Declaration	
PDU Name: UI_Mgmt	Constraint Name: ID_Assign(Ri_No: BITSTRING)
Field Name	Value
SAPI	'1111111'B
C_R	'1'B
EA_0	'0'B
TEI_N	'1111111'B
EA_1	'1'B
P	'0'B
ME_ID	'0F'0
Ri_No	'02'0
MSG_TYPE	TEI_N
AI	'1'B
E	
Comments: 1) 63, 2) (N->U, command), 3), 4) 127, 5), 6), 7), 8) Ri_No set to the Ri of ID_Req, 9) , 10) TEI_N is a test suite parameter, 11), 12)	

PDU Constraint Declaration	
PDU Name: UI_Mgmt	Constraint Name: ID_Assign_Ai(Ri_No, Ai_No: BITSTRING)
Field Name	Value
SAPI	'1111111'B
C_R	'1'B
EA_0	'0'B
TEI_N	'1111111'B
EA_1	'1'B
P	'0'B
ME_ID	'0F'0
Ri_No	'02'0
MSG_TYPE	AI_No
AI	'1'B
E	
Comments: 1) 63, 2) (N->U, command), 3), 4) 127, 5), 6), 7), 8) Ri_No set to the Ri of ID_Req, 9) , 10) AI value from ID_Assign received, 11), 12)	

PDU Constraint Declaration	
PDU Name: UI_Mgmt	Constraint Name: ID_chk_req(TEI_No: BITSTRING)
Field Name	Value
SAPI	'1111111'B
C_R	'1'B
EA_0	'0'B
TEI_N	'1111111'B
EA_1	'1'B
P	'0'B
ME_ID	'0F'0
Ri_No	'02'0
MSG_TYPE	TEI_No
AI	'1'B
E	
Comments: 1) 63, 2) (N->U, command), 3), 4) 127, 5), 6), 7), 8), 9), 10) TEI_No	

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LAPD Conformance Testing

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contains TEI # just assigned, 11) , 12)

PDU Constraint Declaration		
PDU Name: UI_Mgmt	Constraint Name: ID_chk_resp(TEI_No: BITSTRING)	Value
Field Name		
SAPI		'111111'B
C_R		'0'B
EA_0		'0'B
TEI		'1111111'B
EA_1		'1'B
P		'0'B
ME_ID		'0F'O
RI		?
MSG_TYPE		'05'O
AI		TEI_No
E		'1'B
Comments: 1) 63 , 2) (U->N, command), 3) , 4) 127 , 5) , 6) , 7) , 8) RI_No is newly generated RI, 9) , 10) TEI_No contains the TEI # in ID_Assign/Check, 11) , 12)		

LAPD Conformance Testing

PDU Constraint Declaration		
PDU Name: UI_Mgmt	Constraint Name: ID_Denied(RI_No, TEI_No: BITSTRING)	Value
Field Name		
SAPI		'111111'B
C_R		'1'B
EA_0		'0'B
TEI		'1111111'B
EA_1		'1'B
P		'0'B
ME_ID		'0F'O
RI		RI_No
MSG_TYPE		'03'O
AI		TEI_No
E		'1'B
Comments: 1) 63 , 2) (N->U, command), 3) , 4) 127 , 5) , 6) , 7) , 8) RI_No set to the RI of ID_Req, 9) , 10) TEI_N is to be denied, 11) , 12)		

PDU Constraint Declaration		
PDU Name: UI_Mgmt	Constraint Name: ID_Req	Value
Field Name		
SAPI		'111111'B
C_R		'0'B
EA_0		'0'B
TEI		'1111111'B
EA_1		'1'B
P		'0'B
ME_ID		'0F'O
RI		?
MSG_TYPE		'01'O
AI		'111111'B
E		'1'B
Comments: 1) 63 , 2) (U->N, command), 3) , 4) 127 , 5) , 6) , 7) , 8) , 9) , 10) Any TEI value acceptable, 11) , 12)		

LAPD Conformance Testing

PDU Constraint Declaration	
PDU Name: UI_Mgmt	Constraint Name: ID_Rmv (TEI_No: BITSTRING)
Field Name	Value
SAPI	'111111'B
C_R	'1'B
EA_0	'0'B
TEI	'1111111'B
EA_1	'1'B
P	'0'B
ME_ID	'0F'O
RI	'0'B
MSG_TYPE	'06'O
AI	TEI_No
E	'1'B
Comments: 1) 63, 2) (N->U, command), 3), 4) 127, 5), 6), 7), 8), 9), 10) If TEI_No=127, remove all TEIs, 11), 12)	

LAPD Conformance Testing

PDU Constraint Declaration	
PDU Name: UI_Mgmt	Constraint Name: Inv_Chk_Req (CR, EA0, RI_No, AI_No: BITSTRING)
Field Name	Value
SAPI	'111111'B
C_R	CR
EA_0	EA0
TEI	'1111111'B
EA_1	'1'B
P	'0'B
ME_ID	'0F'O
RI	RI_No
MSG_TYPE	'04'O
AI	AI_No
E	'1'B
Comments: 1) 63, 2) Valid CR=1, Invalid=0 N->U, 3) Valid EA0=0, Invalid=1, 4) 127, 5), 6), 7), 8), 9), 10), 11), 12)	

PDU Constraint Declaration	
PDU Name: UI_Mgmt	Constraint Name: ID_Ver
Field Name	Value
SAPI	'111111'B
C_R	'0'B
EA_0	'0'B
TEI	'1111111'B
EA_1	'1'B
P	'0'B
ME_ID	'0F'O
RI	'0'B
MSG_TYPE	'07'O
AI	?
E	'1'B
Comments: 1) 63, 2) (U->N, command), 3), 4) 127, 5), 6), 7), 8), 9), 10) AI is TEI to be checked, 11), 12)	

LAPD Conformance Testing

PDU Constraint Declaration	
PDU Name: UI_Mgmt	Constraint Name: Inv_Id_Assign (CR, EA0, Ri_No, Ai_No: BITSTRING)
Field Name	Value
SAPI	'111111'B
CR	CR
EA_0	EA0
TEI	'1111111'B
EA_1	'1'B
P	'0'B
ME_ID	'0F'O
Ri_No	Ri_No
MSG_TYPE	'02'O
Ai	Ai_No
E	'1'B
Comments: 1) 63 , 2) Valid CR=1, Invalid=0 N->U, 3) Valid EA0=0, Invalid=1, 4) 127 , 5) , 6) , 7) , 8) , 9) , 10) , 11) , 12)	

4 Abstract Test Suite - Part I

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LAPD Conformance Testing

PDU Constraint Declaration	
PDU Name: UI_Mgmt	Constraint Name: Inv_Id_Denied (CR, EA0, Ri_No, Ai_No: BITSTRING)
Field Name	Value
SAPI	'111111'B
CR	CR
EA_0	EA0
TEI	'1111111'B
EA_1	'1'B
P	'0'B
ME_ID	'0F'O
Ri_No	Ri_No
MSG_TYPE	'03'O
Ai	Ai_No
E	'1'B
Comments: 1) 63 , 2) Valid CR=1, Invalid=0 N->U, 3) Valid EA0=0, Invalid=1, 4) 127 , 5) , 6) , 7) , 8) , 9) , 10) , 11) , 12)	

4 Abstract Test Suite - Part I

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PDU Constraint Declaration		
PDU Name: UI Mgmt	Constraint Name: Invalid Mgmt (S, N, T, N ; BITSTRING; ME ID: OCTETSTRING; RI No: INTEGER; MSG TYPE: OCTETSTRING; TEI No: INTEGER)	
Field Name	Value	
SAPI	S N	
C R	'1'B	
EA_0	'0'B	
TEI	T N	
EA_1	'1'B	
P	'0'B	
ME ID	ME ID	
RI	RI No	
MSG_TYPE	MSG_TYPE	
AI	TEI No	
E	'1'B	
Comments: 1) , 2) (N->U), 3) , 4) , 5) , 6) , 7) , 8) , 9) , 10) , 11) , 12)		

PDU Constraint Declaration		
PDU Name: UI Mgmt	reqlist	Constraint Name: ID chk reqlist (AI No, AI Num; BITSTRING)
Field Name		Value
SAPI		'111111'B
C R		'1'B
EA_0		'0'B
TEI		'1111111'B
EA_1		'1'B
P		'0'B
ME ID		'0F'O
RI		'0'B
MSG_TYPE		'04'O
AI_1		AI No
E 1		'0'B
AI_2		AI Num
E 2		'1'B
Comments: 1) 63 , 2) (N->U) , 3) , 4) 127 , 5) , 6) , 7) , 8) , 9) , 10) 1st AI number, 11) Extension bit set to 0, 12) 2nd AI number, 13) Extension bit set to 1, 14)		

PDU Constraint Declaration		
PDU Name: UI_Mgmt_reslst	Field Name	Value
	SAPI	'1111111'B
	C_R	'0'B
	EA_0	'0'B
	TEI	'1111111'B
	EA_1	'1'B
	P	'0'B
	ME_ID	'0F'O
	RI	?
	MSG_TYPE	'05'O
	TEXT	?
Comments: 1) 63, 2) (U->N), 3) 4), 127, 5) 6, 7) 8), 9) 10) ID check response list of 1 or more TEI values, 11)		

PDU Constraint Declaration		
PDU Name: UI_TL	Field Name	Value
	SAPI	SAPI_N
	C_R	'1'B
	EA_0	'1'B
	TEI	TEI_N
	EA_1	'1'B
	P	'0'B
	I_Field	'11'O
Comments: 1) 2) N->U Command, 3) 4) 5) 6) 7) Information field will contain octetstring plus added zeros to equal N201+1 octets, 8)		

PDU Constraint Declaration		
PDU Name: UNDEF	Field Name	Value
	SAPI_N	SAPI_N
	C_R	'1'B
	EA_0	'0'B
	TEI_N	TEI_N
	EA_1	'1'B
	NEW_CF	'3F'O
Comments: 1) 2) 3) 4) 5) 6) 7)		

PDU Constraint Declaration		
PDU Name: UNDEF	Field Name	Value
	SAPI_N	SAPI_N
	C_R	'1'B
	EA_0	'0'B
	TEI_N	TEI_N
	EA_1	'1'B
	NEW_CF	'11'O
Comments:		

PDU Constraint Declaration		
PDU Name: UNDEF	Field Name	Value
	SAPI_N	SAPI_N
	C_R	'1'B
	EA_0	'0'B
	TEI_N	TEI_N
	EA_1	'1'B
	NEW_CF	'1111'O
Comments:		

PDU Constraint Declaration		
PDU Name:XID	Constraint Name:XID_N	Value
Field Name		
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
P_F	'0'B	
I_FIELD	-	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:XID	Constraint Name:XID0_UC	Value
Field Name		
SAPI	SAPI_N	
C_R	'0'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
P_F	'0'B	
I_FIELD	?	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

PDU Constraint Declaration		
PDU Name:XID	Constraint Name:XID0_UR	Value
Field Name		
SAPI	SAPI_N	
C_R	'1'B	
EA_0	'0'B	
TEI	TEI_N	
EA_1	'1'B	
P_F	'0'B	
I_FIELD	?	
Comments:1) , 2) , 3) , 4) , 5) , 6) , 7) , 8)		

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execute test cases in TEI Unassigned state (1.0).

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Test Case Dynamic Behaviour	Label	Constraints Reference	V	Comments
Reference: LAPD_MGMT_DM10_V0. Identifier: DM10_V0. Purpose: Verify that the IUT resends an ID Request in response to a T202 timer expiry caused by ID_Assign sent by the tester with the RI value unmatched to the first ID Request. Default:				
<pre> +DL10_PREAMBLE <IUT!UI_Mgmt> START T202 ?UI_Mgmt (RI_No:: #UI_Mgmt.RI+1) </pre>	L100	ID Req		Init ID Request Force RI mismatch by adding 1 to RI in ID Request
<pre> START T202 !UI_Mgmt </pre>	L101	ID_Assign (RI_No)		RI # in ID_Assign does not match RI # used by IUT in the 1st ID_Req
<pre> ?TIMEOUT T202 START T202 ?UI_Mgmt ((RI_No-1) #<> UI_Mgmt.RI) </pre>	L102	ID_Req	(P)	Different RI
<pre> +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L102 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L101 ?OTHERWISE +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE </pre>			(F)	
			(F)	
			(F)	
			(F)	
			(F)	

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execute test cases in TEI Unassigned state (1.0).

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM10_V04				
Identifier: DM10_V04				
Purpose: Verify that the IUT resends an ID_Request in response to a T202 timer expiry after ID_Denied sent by the tester with the Ri value matched and Ai = 127 to the first ID_Request.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE <IUT!UI_Mgmt>				
# START Topr ?UI_Mgmt (Ri_No::=UI_Mgmt.Ri) START T202 !UI_Mgmt	L100	ID_Req		Init ID Request
# ?TIMEOUT T202 START T202 ?UI_Mgmt [Ri_No <>	L101	ID_Denied (Ri_No, 127)		Matching Ri/Ai 127
#UI_Mgmt.Ri] +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L102 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L101 ?OTHERWISE +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE	L102	ID_Req	(P)	Different Ri
			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.3.5.3 Conditional Execution-In Preamble for TEI Unassigned state (1.0), there is a PIXIT parameter that will determine if the IUT is characterized as an AUTOMATIC-TEI device. Only AUTOMATIC-TEI devices				

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Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM10 V05				
Identifier: DM10 V05				
Purpose: Verify that the IUT responds an ID Request in response to a T202 timer expiry caused by ID Denied sent by the tester with the RI value unmatched and AI = 127 to the first ID Request.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE <IUT: UI_Mgmt>				Init ID Request
START Topr ?UI_Mgmt (RI_No:: # = UI_Mgmt.RI+1) START T202 !UI_Mgmt	L100	ID Req		
?TIMEOUT T202 START T202 ?UI_Mgmt ((RI_No-1) # <> UI_Mgmt.RI])	L101	ID Denied (RI_No, 127)		Unmatch RI/AI 127
+DL_POSTAMBLE +DL10_UNEXPECTED GOTO L102 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L101 ?OTHERWISE +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE	L102	ID Req	(P)	Different RI
Extended Comments: Q.921 Ref. 5.3.5.3 Conditional Execution-In Preamble for TEI Unassigned state (1.0), there is a PIXIT parameter that will determine if the IUT is characterized as an				

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AUTOMATIC-TEI device. Only AUTOMATIC-TEI devices execute test cases in TEI Unassigned state (1.0).

LAPD Conformance Testing

LAPD Conformance Testing

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Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM10_V07	Behaviour Description	Label	Constraints Reference	V
Identifier: DM10_V07 Purpose: Verify that the IUT responds with a second ID_Request (different Ri#) to a T202 Timeout Condition in TEI Unassigned state (1.0). Default:				
+DL10_PREAMBLE <IUT!UI_Mgmt>				
#				
#				
START Topr ?UI_Mgmt (Ri_No:: #=UI_Mgmt.Ri+1)		L100	ID_Req	
START T202 ?TIMEOUT T202		L101		
#				
START T202 ?UI_Mgmt ((Ri_No-1)		L102	ID_Req	(P)
#<>UI_Mgmt.Ri}				
#				
#				
+DL_POSTAMBLE +DL10_UNEXPECTED GOTO L102 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L101 ?OTHERWISE +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE				(F) (F) (F) (F) (F) (F)
Extended Comments: Q.921 Ref. 5.3.5.3 Conditional Execution-In Preamble for TEI Unassigned				

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state (1.0), there is a PIXIT parameter that will determine if the IUT is characterized as an AUTOMATIC-TEI device. Only AUTOMATIC-TEI devices execute test cases in TEI Unassigned state (1.0).

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD_MGMT_DM10_V08				
Identifier: DM10_V08				
Purpose: Verify that the IUT transmits at least N202 ID Request (different Ri#) to T202 Timeout Conditions in IUT Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE <IUT!UI_Mgmt>				Request (V) to send ID Request
START Topr ?UI_Mgmt(Ri_No::UI_Mgmt.Ri) (ID_REQ_CNT::1)	L100	ID Req		Start counting recvd ID Req
START T202 ?TIMEOUT T202	L101			Let T202 timeout
START T202 ?UI_Mgmt ?UI_Mgmt(Ri_No<UI_Mgmt.Ri) (ID_REQ_CNT::1)	L102 L103	ID Req		Retransmitted ID Request
#-ID_REQ_CNT+1 #{ID_REQ_CNT<N202}				
START T202 ?UI_Mgmt	L104	ID Req	(P)	Expected ID Request or
+DL_POSTAMBLE				IUT stops sending ID Request
+T202				
+DL_POSTAMBLE				
+DL10_UNEXPECTED	GOTO L104			

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L101			(F)	
?OTHERWISE +DL_POSTAMBLE GOTO L100			(F)	
+DL10_UNEXPECTED ?OTHERWISE +DL_POSTAMBLE GOTO L100			(F)	
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.3.5.3				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM10_V09				
Identifier:DM10_V09				
Purpose:Verify that the IUT does not respond to an ID_Check_Request with Ai in the Automatic Range (64 - 126) in TEI Unassigned state (1.0). IUT is expected to remain in state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE (Ai_No:=RANDOM(64,126)) ;UI_Mgmt # START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	ID_chk_req(Ai_No)	(P) (F)	
Extended Comments:Q.921 Ref. 5.3.3.2 TEI value in Ai field is a value between 64-126.				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM10_V10				
Identifier:DM10_V10				
Purpose:Verify that the IUT does not respond to an ID_Check_Request with Ai in the Non-automatic Range (0-63) in TEI Unassigned state (1.0). IUT is expected to remain in state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE (Ai_No:=RANDOM(0,63)) ;UI_Mgmt # START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	ID_chk_req(Ai_No)	(P) (F)	
Extended Comments:Q.921 Ref. 5.3.3.2 TEI value in Ai field is a value between 0-63.				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM10 V12				
Identifier:DM10 V12				
Purpose:Verify that the IUT does not respond to an ID Remove with AI=127 in TEI Unassigned state (1.0). IUT is expected to remain in state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE !UI_Mgmt !UI_Mgmt START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	ID_Rmv(127) ID_Rmv(127)	(P)	AI=127 AI=127
Extended Comments:Q.921 Ref. 5.3.4 AI is a set to 127.				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM10 V14				
Identifier:DM10 V14				
Purpose:Verify that the IUT does not respond to an ID Remove with AI in the non-automatic TEI range (0-63) in TEI Unassigned state (1.0). IUT is expected to remain in state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE (AI_No:=RANDOM(0,63)) !UI_Mgmt !UI_Mgmt START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	ID_Rmv(AI_No) ID_Rmv(AI_No)	(P)	AI in range (0-63) AI in range (0-63) No Response
Extended Comments:Q.921 Ref. 5.3.4 AI is a value (0 - 63).				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM10_V15				
Identifier:DM10_V15				
Purpose:Verify that the IUT does not respond to an ID_Assign with Ai in the automatic range (64-126) in TEI Unassigned state (1.0). IUT is expected to remain in state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE (Ai_No::=RANDOM(64,126)) !UI_Mgmt # START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	ID_Assign_Ai (63,Ai_No)	(P) (F)	Ai in range (64-126) No Response
Extended Comments:Q.921 Ref. 5.3.2 Ai is a valid value (64-126).				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM10_V17				
Identifier:DM10_V17				
Purpose:Verify that the IUT does not respond to an ID_Remove with Ai value in automatic range (64-126) in TEI Unassigned state (1.0). IUT is expected to remain in state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE (Ai_No::=RANDOM(64,126)) !UI_Mgmt # START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	ID_Rmv(Ai_No)	(F) (F)	Ai in range (64-126) No Response
Extended Comments:Q.921 Ref. 5.3.4 Ai is in the automatic range (64-126).				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM10_101				
Identifier: DM10_101				
Purpose: Verify that the IUT responds with a second ID Request (different RI#) to an ID Check Request (with AI=127) in TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE <IUT: UI_Mgmt>				Request IUT to send ID Request
#				
#				
START Topr				
?UI_Mgmt (RI_No::=UI_Mgmt.RI)	L100	ID_Req		AI set to 127
START T202				
!UI_Mgmt		ID_chk_req (127)		Let T202 timeout
?TIMEOUT T202	L101			
#				
#				
START T202				
?UI_Mgmt		ID_Req	(P)	Second ID Request, Different RI
{RI_No<>UI_Mgmt.RI}	L102			
#				
#				
#				
+DL_POSTAMBLE				
+DL10_UNEXPECTED				
GOTO L102				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT T202				
+DL_POSTAMBLE				
+DL10_UNEXPECTED				
GOTO L101				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
+DL10_UNEXPECTED				
GOTO L100				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT Topr				
+DL_POSTAMBLE				
#				
Extended Comments: Q.921 Ref. 5.3.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM10_102				
Identifier: DM10_102				
Purpose: Verify that the IUT responds with a second ID Request (different RI#) to an ID remove (non-matching AI) in TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE <IUT: UI_Mgmt>				Request IUT to send ID Request
#				
#				
START Topr				
?UI_Mgmt (RI_No::=UI_Mgmt.RI)	L100	ID_Req		Get an unassigned TEI for AI field
START T202				Non-matching AI
!UI_Mgmt		ID_Rmv (AI_No)		g AI
?TIMEOUT T202	L101			Let T202 timeout
#				
#				
START T202				
?UI_Mgmt (RI_No<>UI_Mgmt.RI)	L102	ID_Req	(P)	Second ID Request, Different RI
#				
#				
#				
+DL_POSTAMBLE				
+DL10_UNEXPECTED				
GOTO L102				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT T202				
+DL_POSTAMBLE			(F)	
+DL10_UNEXPECTED				
GOTO L101				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
+DL10_UNEXPECTED				
GOTO L100				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT Topr				
#				

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.3.2.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM10_I03				
Identifier:DM10_I03				
Purpose:Verify that the IUT does not respond to an ID_Check_Request (AI=127) received in TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL100_PREAMBLE !UI_Mgmt		ID_chk_req (127)		AI set to 127
START T202 ?TIMEOUT T202 +DL_POSTAMBLE +DL100_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100		(P)	Let T202 timeout
#			(F)	
Extended Comments:Q.921 Ref. 5.3.3.2				

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Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM10_N01				
Identifier:DM10_N01				
Purpose:Verify that the IUT resends an ID_Request in response to a T202 timer expiry caused by an UNDEFINED frame sent in response to the first ID_Request.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE <IUT!UI_Mgmt>				
#				
START Topr ?UI_Mgmt (Ri_No::=UI_Mgmt.Ri) START T202 !UNDEF	L100	ID_Req		Init ID Request
#		UNDEF_NC		Undefined frame
?TIMEOUT T202 START T202 ?UI_Mgmt (Ri_No <>	L101			
#UI_Mgmt.Ri]	L102	ID_Req	(P)	Different Ri
+DL_POSTAMBLE +DL100_UNEXPECTED GOTO L102 ?OTHERWISE +DL_POSTAMBLE +DL_POSTAMBLE +DL100_UNEXPECTED GOTO L101 ?OTHERWISE +DL_POSTAMBLE +DL100_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.3.2.1				
Conditional Execution-In Preamble for TEI Unassigned state (1.0), there is a PIXIT parameter that will determine if the IUT is characterized as an AUTOMATIC-TEI device. Only AUTOMATIC-TEI devices				

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execute test cases in TFI Unassigned state (1.0)

Test Case Dynamic Behaviour					
Reference:LAPD/MGMT/DM10 N02					
Identifier:DM10 N02					
Purpose:Verify that the IUT responds with a second ID Request (different RI#) to an ID Assign with an invalid management entity identifier in TEI Unassigned state (1,0).					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
#	{DL10 PREAMBLE <IUT>UI Mgmt >				Request IUT to send ID Request
#	START Topr				
#	?UI Mgmt(RI No::=UI Mgmt.RI)	L100	ID Req		Assign the Invalid Mgmt Identifier
#	START T202 (S N:: 63,T N:: 127,ME ID: S N:: '11110000'B,MSG TYPE::'00000010'B)				
#	!UI Mgmt		Invalid Mgmt (S N,T N, ME ID,0, MSG TYPE, TEI N)		
#	?TIMEOUT T202	L101			Let T202 timeout
#	START T202				
#	?UI Mgmt(RI No<>UI	L102	ID Req	(P)	Second ID Request, Different RI
#	Mgmt.RI]				
#	+DL POSTAMBLE				
#	+DL10_UNEXPECTED				
#	GOTO L102				
#	?OTHERWISE			(F)	
#	+DL_POSTAMBLE				
#	?TIMEOUT T202			(F)	
#	+DL_POSTAMBLE				
#	+DL10_UNEXPECTED				
#	GOTO L101				
#	?OTHERWISE				
#	+DL_POSTAMBLE			(F)	
#	+DL10_UNEXPECTED				
#	GOTO L100				

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Behaviour Description	Label	Constraints Reference	V	Comments
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE			(F) (F)	
Extended Comments: Q.921 Ref. 5.3.2.1 Conditional Execution-In Preamble for TEI Unassigned state (1.0), there is a PIXIT parameter that will determine if the IUT is characterized as an AUTOMATIC-TEI device. Only AUTOMATIC-TEI devices execute test cases in TEI Unassigned state (1.0).				

Test Case Dynamic Behaviour

Reference: LAPD/MGMT/DM10_N03 Identifier: DM10_N03 Purpose: Verify that the IUT responds with a second ID Request (different RI#) to an ID_Assign with an invalid SAPI(62) in TEI Unassigned state (1.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE <IUT!UI_Mgmt> # # START Topr ?UI_Mgmt(RI_No:=UI_Mgmt.RI) START T202 (S_N:=62,T_N:=127,ME_ID: #:=/'00001111'B,MSG_TYPE:='00000010'B) # # !UI_Mgmt # # # # # # # ?TIMEOUT T202 L101 START T202 ?UI_Mgmt(RI_No<>UI #_Mgmt.RI] # # # +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L102 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L101 ?OTHERWISE +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE	L100	ID_Req		Request IUT to send ID Request
		Invalid_Mgmt (S_N,T_N, ME_ID,0, MSG_TYPE, TEI_N)		Assign the Invalid SAPI
	L101			Let T202 timeout
	L102	ID_Req	(P)	Second ID Request, Different RI
			(F)	
			(F)	
			(F)	
			(F)	

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Behaviour	Description	Label	Constraints Reference	V	Comments
	+DL_POSTAMBLE ?TIMEOUT_Topr +DL_POSTAMBLE			(F)	

Extended Comments: Q.921 Ref. 5.3.2.1
Conditional Execution-In Preamble for TEI Unassigned state (1.0), there is a PIXIT parameter that will determine if the IUT is characterized as an AUTOMATIC-TEI device. Only AUTOMATIC-TEI devices execute test cases in TEI Unassigned state (1.0).

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Test Case Dynamic Behaviour					
Reference:LAPD/MGMT/DM10_N04					
Identifier:DM10_N04					
Purpose:Verify that the IUT responds with a second ID Request (different RI) to an ID.Assign with an invalid TEI(126) in TEI Unassigned state (1.0).					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
# #	+DL10_PREAMBLE <IUT!UI_Mgmt>				Request IUT to send ID Request
#	START Topr				
#	?UI_Mgmt(RI_No::=UI_Mgmt.RI)	L100	ID_Req		Assign the Invalid TEI
#	START T202				
#	(S.N::=63,T.N::=126,ME_ID: MSG_TYPES::='00000010'B) !UI_Mgmt		Invalid Mgmt (S.N,T.N, ME_ID,0, MSG_TYPE, TEI_N)		
#	?TIMEOUT T202	L101			Let T202 timeout
#	START T202				
#	?UI_Mgmt(RI_No<>UI_Mgmt.RI}	L102	ID_Req	(P)	Second ID Request, Different RI
#	+DL_POSTAMBLE				
#	+DL10_UNEXPECTED				
#	GOTO L102				
#	?OTHERWISE			(F)	
#	+DL_POSTAMBLE				
#	?TIMEOUT T202				
#	+DL_POSTAMBLE				
#	+DL10_UNEXPECTED				
#	GOTO L101				
#	?OTHERWISE				
#	+DL_POSTAMBLE				
#	+DL10_UNEXPECTED				
#	GOTO L100				
#	?OTHERWISE				
#	+DL_POSTAMBLE				
#	+DL10_UNEXPECTED				
#	GOTO L100				
#	?OTHERWISE				
#	+DL_POSTAMBLE				

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Behaviour Description	Label	Constraints Reference	V	Comments
GOTO LI00				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT Topr			(F)	
+DL_POSTAMBLE				

Extended Comments:Q.921 Ref. 5.3.2.2

Test Case Dynamic Behaviour				
Reference:LAPD/NGMT/DM20_V07				
Identifier:DM20_V07				
Purpose:Verify the accuracy of the IUT's T202 timer (minimum time between the transmission of TEI ID_Request messages).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE				
START T202 (T202value-DELTA)				
START T202 (T202value+DELTA)				
?TIMEOUT T202	L200			
?UI_Mgmt	L201	ID_Req	(P)	
+DL20_VERIFICATION				
+DL_POSTAMBLE				
+DL20_UNEXPECTED				
GOTO L201				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT T202			(F)	
+DL_POSTAMBLE				
+DL20_UNEXPECTED				
GOTO L200				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
Extended Comments:Q.921 Ref. Only Automatic-TEI devices can execute test cases in Assign/Awaiting TEI state (2).				

Test Case Dynamic Behaviour

Reference:LAPD/NGMT/DM20_V08

Identifier:DM20_V08

Purpose:Verify the value of the IUT's N202 counter (maximum number of TEI ID_Request messages).

Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE				
(ID_REQ_CNT:=1)				
START T202 (T202value+DELTA)				
(ID_REQ_CNT<N202)	L200			
?UI_Mgmt (ID_REQ_CNT::	L201	ID_Req		
+ID_REQ_CNT+1)				
GOTO L200				
+DL20_UNEXPECTED				
GOTO L201				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT T202			(F)	
+DL_POSTAMBLE				
(ID_REQ_CNT=N202)				
?UI_Mgmt				
+DL_POSTAMBLE				
(ID_REQ_CNT=N202)				
?UI_Mgmt	L202	ID_Req		
+DL_POSTAMBLE				
+DL20_UNEXPECTED				
GOTO L202				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT T202			(P)	
+DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.3.2.1 Only Automatic-TEI devices can execute test cases in Assign/Awaiting TEI state (2).				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM20_V10				
Identifier: DM20_V10				
Purpose: Verify that the IUT does not respond to an ID_Check Request with the Ai set to a non-automatic TEI value. The IUT is expected to remain in Assign Awaiting TEI state (2,0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UI_Mgmt # START T201 (T201value+DELTA) ?TIMEOUT T201 +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L200 ?OTHERWISE +DL_POSTAMBLE	L200	ID_chk_req(0)	(P)	ID Chk Req with Ai=0 No response
			(F)	
Extended Comments: Q.921 Ref. 5.3.3.2 Only Automatic-TEI devices can execute test cases in Assign/Awaiting TEI state (2).				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM20_V12 Identifier:DM20_V12 Purpose:Verify that the IUT ignores an ID_Remove with AI=127 received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE START T202 (T202value+DELTA) !UI_Mgmt !UI_Mgmt ?UI_Mgmt +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L200 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE	L200	ID_Rmv (127) ID_Rmv (127) ID_Req	(P) (F) (F)	ID Remove with AI=127 ID Remove with AI=127 ID Remove with AI=127 ID Remove was ignored
Extended Comments:Q.921 Ref. 5.3.4.1 Only Automatic-TEI devices can execute test cases in Assign/Awaiting TEI state (2).				

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM20 V13				
Identifier:DM20 V13				
Purpose:Verify that the IUT ignores an ID Remove with the AI set to an automatic TEI value received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE START T202 (T202value+DELTA) +ASSIGN_TEI !UI_Mgmt		ID Rmv (TEI No)		ID Remove with 63<AI<127
!UI_Mgmt		ID Rmv (TEI No)		ID Remove with 63<AI<127
?UI_Mgmt	L200	ID Req	(P)	ID Remove was ignored
+DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L200 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202				
+DL_POSTAMBLE			(F)	Expected ID Request not received
Extended Comments:Q.921 Ref. 5.3.4.1 Only Automatic-TEI devices can execute test cases in Assign/Awaiting TEI state (2).				

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4 Abstract Test Suite - Part I

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Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM20 V14				
Identifier:DM20 V14				
Purpose:Verify that the IUT ignores an ID Remove with the AI set to a non-automatic TEI value received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE START T202 (T202value+DELTA) !UI_Mgmt		ID Rmv (0)		ID Remove with AI=0
!UI_Mgmt		ID Rmv (0)		ID Remove with AI=0
?UI_Mgmt	L200	ID Req	(P)	ID Remove was ignored
+DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L200 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202				
+DL_POSTAMBLE			(F)	Expected ID Request not received
Extended Comments:Q.921 Ref. 5.3.4.1 Only Automatic-TEI devices can execute test cases in Assign/Awaiting TEI state (2).				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM20_V15 Identifier: DM20_V15 Purpose: Verify that the IUT adopts the TEI contained in the AI of an ID Assigned frame when it is set to an automatic TEI value. The IUT is expected to enter the TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE +ASSIGN_AI (TEI_No::=AI_No) !UI_Mgmt !UI_Mgmt START T201 ?UI_Mgmt +DL40_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L200 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE	L200	ID_Assign_AI (RI_No,AI_No) ID_chk_req (TEI_No) ID_chk_resp (TEI_No)	(P)	ID Assign with valid AI IUT adopted the assigned TEI
Extended Comments: Q.921 Ref. 5.3.2 Only Automatic-TEI devices can execute test cases in Assign/Awaiting TEI state (2).				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM20_I01 Identifier: DM20_I01 Purpose: Verify that the IUT does not respond to an ID_Check_Request with AI=127 received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UI_Mgmt START T201 (T201value+DELTA) ?TIMEOUT T201 +DL20_VERIFICATION +DL_POSTAMBLE GOTO L200 ?OTHERWISE +DL_POSTAMBLE	L200	ID_chk_req (127)	(P)	ID Chk Req with AI=127 No response
Extended Comments: Q.921 Ref. 5.3.3.2 Only Automatic-TEI devices can execute test cases in Assign/Awaiting TEI state (2).				

Test Case Dynamic Behaviour				
Reference: LAPD/NGMT/DM20 N02				
Identifier: DM20 N02				
Purpose: Verify that the IUT ignores an ID Denied with an invalid RI received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE START T202 (T202value+DELTA) +ASSIGN TEI (RI_No::--RI_No+1) !UI Mgmt		ID Denied (RI_No, TEI_No)		ID Denied with Invalid RI
?UI Mgmt	L200	ID Req	(P)	ID Denied was ignored
+DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L200 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202				
+DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.3.2 Only Automatic-TEI devices can execute test cases in Assign/Awaiting TEI state (2).				

Test Case Dynamic Behaviour				
Reference: LAPD/NGMT/DM40 V01				
Identifier: DM40 V01				
Purpose: Verify that an IUT with Automatic TEI either 1) sends an ID Verify, 2) does not respond, or 3) removes the TEI, in response to an ID Assign with AI duplicated in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(TEI_AUTO AND TEICHK_no_IDReq) (DL40_PREAMBLE (AI_No::--TEI_No) !UI Mgmt		ID Assign AI (63, AI_No)		Send duplicated AI
START Td ?UI Mgmt +DL40_ID_VERIFICATION	L400	ID_Ver	(P)	Rec'd ID-Verify
+DL_POSTAMBLE ?UI Mgmt +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td [ID_REM_ON_DUP_TEI] +DL10_VERIFICATION +DL_POSTAMBLE [NOT(ID_REM_ON_DUP_TEI)] +DL_POSTAMBLE +DL40_VERIFICATION +DL_POSTAMBLE [NOT(TEI_AUTO AND TEICHK_no_IDReq)]		ID_Req	(P)	
			(F)	
			(P)	No Response Removes TEI
				Does not remove TEI
			I	Test not run
Extended Comments: Q.921 Ref. 5.3.2 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO). This test is not executed by the IUT that compares the TEI value in the Identity assigned message with its own only when an Identity request message is outstanding ((NOT(TEICHK_no_IDReq)). The test path is determined by the PIXIT parameter ID_VER_IMP which determines				

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if the IUT implements the ID_Verify management procedures.

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM40_V02 Identifier: DM40_V02 Purpose: Verify that the IUT does not respond to an ID_Assign with non-matching Ai received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE +ASSIGN_Ai !UI_Mgmt				Get an unused TEI Ai <> TEI_N, Ai valid
START Td ?TIMEOUT Td	L100	ID_Assign_Ai (63, Ai_No)	(P)	Unmatched Ai
+DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.3.2 Ai is a valid value (64-126) but not equal to TEI under test.				

Test Case Dynamic Behaviour

Reference: LAPD/MGMT/DM40_V03 Identifier: DM40_V03 Purpose: Verify that the IUT sends a second ID_Verify after receiving no response to its first ID_Verify. The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL40_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td ?UI_Mgmt	L400	ID_Ver		Receive 1st ID_Verify
START T202 ?TIMEOUT T202	L401			Let T202 expire
START T202 ?UI_Mgmt	L402	ID_Ver	(P)	Receive second ID_Verify
+DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L402 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L401 ?OTHERWISE +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(UNSOLUA_ID_VER)]			I	Test not run
Extended Comments:Q.921 Ref. 5.3.5.3 Conditional Execution- Multiple TEI's must be supported to run this test.				

Test Case Dynamic Behaviour

Reference:LAPD/MGMT/DM40_V04 Identifier:DM40_V04 Purpose:Verify that the IUT removes a TEI after receiving no response to two ID Verify management frames sent by the IUT. The IUT should remove the TEI and enter TEI Unassigned state (1.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL40_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID Verify procedures
START Td ?UI_Mgmt	L400	ID_Ver		Receive 1st ID Verify
START T202 ?TIMEOUT T202	L401			Let T202 expire
START T202 ?UI_Mgmt	L402	ID_Ver	(P)	Receive second ID verify
START Td ?TIMEOUT Td	L403		(P)	TEI is removed
+DL10_VERIFICATION				
+DL_POSTAMBLE ?UI_Mgmt		ID_Req	(P)	TEI is removed and attempt to reassign
+DL10_VERIFICATION +DL_POSTAMBLE				
+DL40_UNEXPECTED GOTO L403 ?OTHERWISE			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE +DL40_UNEXPECTED GOTO L402 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L401 ?OTHERWISE +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td [NOT(UNSOLUA_ID_VER OR TEI_AUTO)]			(F) (F) (F) (F) (F)	 Test not run

#

Extended Comments:Q.921 Ref. 5.3.5.3

Conditional Execution – This test is executed only under the following conditions –

- 1) The IUT is an automatic TEI device.
- 2) The IUT responds to an unsolicited UA with ID Verify procedures

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM40_V05				
Identifier:DM40_V05				
Purpose:Verify that the IUT sends an ID Check Response in response to a ID_Check_Request with the Ai value matched received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !UI_Mgmt		ID_chk_req (TEI_N)		AI matches IUT's TEI
START T201 ?UI_Mgmt	L400	ID_chk_resp (TEI_N)	(P)	Same AI expected in response
+DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400			(F)	
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE			(F)	

Extended Comments:Q.921 Ref. 5.3.3.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM40 V06				
Identifier: DM40 V06				
Purpose: Verify that the IUT sends an ID Check Response in response to a ID Check Request with the TEI = 127 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40 PREAMBLE !UI_Mgmt START T201 ?UI_Mgmt	L400	ID_chk_req (127)	(P)	TEI value set to 127
+DL40 VERIFICATION +DL_POSTAMBLE GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE		ID_chk_resp (TEI_N)		
				(F)
			(F)	

Extended Comments: Q.921 Ref. 5.3.3.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM40 V07				
Identifier: DM40 V07				
Purpose: Verify that the IUT sends an ID Check Response in response to a ID Check Request (AI matching). The ID Check Request was prompted by an ID Verify sent by the IUT. The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA ID VER] +DL40 PREAMBLE !UA START Td ?UI_Mgmt !UI_Mgmt	L400	UA0_NR	(P)	Send UA F=0
START T201 ?UI_Mgmt		ID_chk_req (TEI_N)		Rev'd ID Verify Send ID Check Req
+DL40 VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L401 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (UNSOLUA_ID_VER)]		ID_chk_resp (TEI_N)		
	L401		(F)	No response
			(F)	No response
			(F)	No response
			(F)	No response
			I	Test not run

Extended Comments: Q.921 Ref. 5.3.5.2

Conditional Execution - The test execution path which the IUT will take is based on whether the IUT responds to an unsolicited UA with ID_VERIFY procedures.

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Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM40_V08 Identifier:DM40_V08 Purpose:Verify that the IUT sends an ID_Check_Response in response to a ID_Check Request(TEI = 127). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{UNSOLUA_ID_VER} +DL40_PREAMBLE (FLAG:==FALSE) !UA		UA0_NR		Assume no response Send an unsolicited UA to initiate ID_Verify procedure
START Td ?UI_Mgmt !UI_Mgmt	L400	ID_Ver ID_chk_req (127)		TEI set to 127
START T201 ?UI_Mgmt_reslst GOTO L401 +DL40_UNEXPECTED GOTO L401 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 [FLAG=TRUE]	L401	ID_chk_reslst	(F)	
# (FLAG:==TRUE) +DL40_VERIFICATION +DL_POSTAMBLE (FLAG=FALSE) +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE			(P)	Receive at least one response
			(F)	No response
			(F)	

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Test Case Dynamic Behaviour				
Reference: LAPD/MCMT/DM40 V09				
Identifier: DM40 V09				
Purpose: Verify that the IUT sends an ID Check Response in response to a ID Check Request. The IUT's TEI value is within the list of AI values specified in the request. The ID Check Request was prompted by an ID Verify sent by the IUT. The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL40_PREAMBLE !UA		UA0 NR		Send an unsolicited UA to initiate ID Verify procedure
START Td ?UI_Mgmt +ASSIGN_AI	L400	ID_Ver		Get a unassigned TEI for AI list in ID Check Req
!UI_Mgmt_req1st		ID_chk_req1st (AI_No,TEI_N)		Assigned TEI is in the list
START T201 ?UI_Mgmt +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L401 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td	L401	ID_chk_resp (TEI_N)	(P)	No response
			(F)	No response
			(F)	No response
			(F)	No response
			(F)	No response

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Extended Comments: Q.921 Ref. 5.3.5.2

Conditional Execution - The test execution depends on whether the IUT responds to an unsolicited UA with ID Verify procedures.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM40_V10 Identifier:DM40_V10 Purpose:Verify that the IUT sends an ID_Verify in response to a ID Check Request (TEI=127). The IUT's TEI value is NOT in the list of AI values specified in request). The ID Check Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL40_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td ?UI_Mgmt +ASSIGN_AI	L400	ID_Ver		Get two unassigned TEIs for the AI list of the ID
!UI_Mgmt_req1st		ID_chk_req1st (Ai_No,Ai_Num)		Check Req Assigned TEI NOT in list
START T201 ?UI_Mgmt	L401	ID_Ver	(P)	IUT sends ID VERIFY
#+DL40_ID_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L401 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE			(F) (F) (F) (F)	No response

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LAPD Conformance Testing

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (UNSOLUA_ID_VER)]			(F) I	No response Test not run
#				
Extended Comments:Q.921 Ref. 5.3.5.2 Conditional Execution - The test execution depends on whether the IUT responds to an unsolicited UA with ID_Verify procedures .				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM40_V11 Identifier:DM40_V11 Purpose:Verify that the IUT does not respond to an ID_Remove with TEI value = 127 received in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE (Ai_No := 127)				Set Ai to 127
!UI_Mgmt START Id		ID_Rmv (Ai_No)	(P)	Ai = 127
?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt	L400			
+DL10_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE		ID_Req	(P)	
#				
Extended Comments:Q.921 Ref. 5.3.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM40 V12				
Identifier: DM40 V12				
Purpose: Verify that the IUT responds to an ID Remove with AI value IUT's TEI value in TEI Assigned state (4.0). The IUT is expected to enter TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE ?UI_Mgmt		ID_Rmv (TEI N)		TEI N is the assigned TEI
START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt +DL10_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	ID_Req	(P)	
			(P)	
			(F)	

Extended Comments: Q.921 Ref. 5.3.4

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM40 V13				
Identifier: DM40 V13				
Purpose: Verify that the IUT either sends an ID Verify or removes a TEI in response to an unsolicited UA (F=1) in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0) or, when TEI is removed, enter TEI Unassigned state (1.0), respectively.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA ID VER OR TEI_AUTO] +DL40_PREAMBLE !UA		UAL_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td [UNSOLUA ID_VER] ?UI_Mgmt +DL40_ID_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [(NOT(UNSOLUA_ID_VER)) AND (TEI_AUTO)]	L400	ID_Ver	(P)	Receive ID_Verify
			(F)	No response
			(F)	No response
			(P)	No response
?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L401 ?UI_Mgmt	L401	ID_Req	(P)	IUT has removed TEI and requesting ID
			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
{NOT(UNSOLUA_ID_VER OR TEI_AUTO)}			I	Test not run
Extended Comments:Q.921 Ref. 5.8.7 Conditional Execution - The test execution path which the IUT will take is based on whether 1) The IUT is an automatic TEI device. 2) The IUT responds to an unsolicited UA with ID_Verify procedures. If the IUT does send the ID_Verify, this test will respond with the ID_Check Request management frame (In the ID_VERIFICATION) to ensure that the IUT does not resend the ID_Verify. 3) The IUT is a non-automatic TEI device and does not implement ID_Verify_Response to UA.				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM40_I01 Identifier:DM40_I01 Purpose:Verify that the IUT does not respond to an ID_Denied with AI = 127 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !UI_Mgmt START TD ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	ID_Denied(63, 127)	(P)	
			(F)	
Extended Comments:Q.921 Ref. 5.3.2				

Test Case Dynamic Behaviour

Reference:LAPD/MGMT/DM40_I03 Identifier:DM40_I03 Purpose:Verify that the IUT does not respond to an ID Check Request with non-matching TEI received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE +ASSIGN_TEI !UI_Mgmt START TD ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	ID_chk_req(AI_No)	(P)	Get unassigned TEI for AI field
			(F)	
Extended Comments:Q.921 Ref. 5.3.3.2 TEI value is a valid value not equal to the TEI value under test.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM40_I04 Identifier:DM40_I04 Purpose:Verify that the IUT does not respond to an ID_Remove with non-matching Ai received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE +ASSIGN_AI !UI_Mgmt START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	ID_Rmv(Ai No)	(P)	Get an unassigned TEI for the Ai field Ai <> TEI_N , Ai valid Unmatched Ai
Extended Comments:Q.921 Ref. 5.3.4 Ai is a value (64-126) but not equal to TEI under test.				
(F)				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM40_N01 Identifier:DM40_N01 Purpose:Verify that the IUT does not respond to an ID_Check_Request with an invalid management entity identifier received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE (S_N::=63,T_N::=127,ME_ID:: #='11110000'B,MSG_TYPE::='00000100'B) # # !UI_Mgmt # # # # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	Invalid_Mgmt (S_N,T_N, ME_ID,0, MSG_TYPE, TEI_N)	(P)	Assign the Invalid Mgmt Identifier
Extended Comments:Q.921 Ref. 5.3.3.2				
(F)				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM40_N02				
Identifier: DM40_N02				
Purpose: Verify that the IUT does not respond to an ID Check Request with an invalid SAPI(62) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> +DL40_PREAMBLE (S_N:=-62,T_N:=-127,ME_ID:=- #='00001111'B,MSG_TYPE:=-'00000100'B) # # # # # # !UI_Mgmt START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE </pre>	L400	Invalid_Mgmt (S_N,T_N, ME_ID,0, MSG_TYPE, TEI_N)	(P)	Assign the Invalid Sapi
Extended Comments: Q.921 Ref. 5.3.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM40_N03				
Identifier: DM40_N03				
Purpose: Verify that the IUT does not respond to an ID Check Request with an invalid TEI address (126) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> +DL40_PREAMBLE (S_N:=-63,T_N:=-126,ME_ID:=- #='00001111'B,MSG_TYPE:=-'00000100'B) # # # # # # !UI_Mgmt START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE </pre>	L400	Invalid_Mgmt (S_N,T_N, ME_ID,0, MSG_TYPE, TEI_N)	(P)	Assign the Invalid TEI address
Extended Comments: Q.921 Ref. 5.3.3.2				

LAPD Conformance Testing

Extended Comments:Q.921 Ref. 5.3.2

Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO). This test is not executed by the IUT that compares the TEI value in the Identity assigned message with its own only when the Identity request message is outstanding [NOT(TEICHK.no.IDReq)]. The test path is determined by the PIXIT parameter ID_VER_IMP which determines if the IUT implements the ID_Verify management procedures.

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM50_V03	Behaviour Description	Label	Constraints Reference	Comments
Identifier: DM50_V03	[UNSOLUA_ID_VER] +DL50_PREAMBLE			
Purpose: Verify that the IUT sends a second ID_Verify after receiving no response to its first ID_Verify. The IUT is expected to remain in Awaiting Establishment state (5.0).	!UA		UAO_NR	Send an unsolicited UA to initiate ID_Verify procedure
Default:	START Td ?UI_Mgmt	L500	ID_Ver	Receive 1st ID_Verify
	START T202 ?TIMEOUT T202	L501		Let T202 expire
	START T202 ?UI_Mgmt	L502	ID_Ver	Receive second ID_Verify
	+DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L502 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F) (F) (F) (F) (F) (F)

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Behaviour	Description	Label	Constraints Reference	V	Comments
#	{NOT(UNSOLVABLE_ID_VER)}			I	Test not run

Extended Comments: Q.921 Ref. 5.3.5.3
Conditional Execution- Multiple TEI's must be supported to run this test.

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Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DW50_V04				
Identifier: DW50_V04				
Purpose: Verify that the IUT removes a TEI after receiving no response to two ID_Verify management frames sent by the IUT. The IUT is expected to remove its TEI and enter TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL50_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td ?UI_Mgmt	L500	ID_Ver		Receive 1st ID_Verify
START T202 ?TIMEOUT T202	L501			Let T202 expire
START T202 ?UI_Mgmt	L502	ID_Ver	(P)	Receive second ID_Verify
START Td ?TIMEOUT Td	L503		(P)	TEI is removed
##+DL10_VERIFICATION				
##+DL_POSTAMBLE		ID_Req	(P)	TEI is removed and attempt to reassign
##+DL10_VERIFICATION				
##+DL_POSTAMBLE				
+DL50_UNEXPECTED				

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Extended Comments:Q.921 Ref. 5.3.5.3

- 1) The IUT is an automatic TEI device.
- 2) The IUT responds to an unsolicited UA with ID.Verify procedures.

T-Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM50_V05				
Ident Ifier: DM50_V05				
Purpose: Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with the Ai value matched received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !UI_Mgmt		ID_chk_req (TEI_N)		AI matches IUT's TEI
START T201 ?UI_Mgmt	L500	ID_chk_resp (TEI_N)	(P)	Same Ai expected in response
+DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500			(F)	
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.3.3.1				

Extended Comments:Q.921 Ref. 5.3.3.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM50_V06 Identifier:DM50_V06 Purpose:Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with the TEI value = 127 in Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !UI_Mgmt		ID_chk_req (127)		TEI value = 127
# START T201 ?UI_Mgmt	L500	ID_chk_resp (TEI_N)	(P)	
# +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.3.3.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM50_V07 Identifier:DM50_V07 Purpose:Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request (Ai matching). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL50_PREAMBLE !UA START Td ?UI_Mgmt	L500	UA0_NR ID_Ver ID_chk_req (TEI_N)		Send UA F=0 Rcv'd ID Verify Send ID Check Req
# !UI_Mgmt START T201 ?UI_Mgmt +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER)]	L501	ID_chk_resp (TEI_N)	(P)	
#			(F)	No response
#			(F)	No response
#			(F)	No response
#			(F)	No response
#			I	Test not run
Extended Comments:Q.921 Ref. 5.3.5.2 Conditional Execution - The test execution path which the IUT will take is based on whether the IUT responds to an unsolicited UA with ID_VERIFY procedures .				

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Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DW50_V08				
Identifier: DW50_V08				
Purpose: Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request (TEI = 127). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL50_PREAMBLE (FLAG:=FALSE) !UA				
START Td ?UI_Mgmt !UI_Mgmt	L500	UA0_NR		Assume no response Send an unsolicited UA to initiate ID_Verify procedures
START T201 ?UI_Mgmt_reslst	L501	ID_Ver ID_chk_req (127) ID_chk_reslst		TEI set to 127
# (FLAG:=TRUE) GOTO L501 +DL40_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 [FLAG=TRUE]			(F)	
# # #+DL50_VERIFICATION +DL_POSTAMBLE [FLAG=FALSE] +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE			(F)	Receive at least one response
			(F)	No response
			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
?TIMEOUT Td +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER)] #			(F) I	Test not run
Extended Comments: 0.921 Ref. 5.3.5.2 Conditional Execution - The test execution path which the IUT will take is based on whether the IUT responds to an unsolicited UA with ID_VERIFY procedures.				

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM50_V09 Identifier:DM50_V09 Purpose:Verify that the IUT sends an ID_Check_Response in response to a ID_Check Request. The IUT's TEI value is within the list of AI values specified in request. The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL50_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td ?UI_Mgmt +ASSIGN_AI	L500	ID_Ver		Get an unassigned TEI for the AI list in ID Check Req Assigned TEI is in the AI list
!UI_Mgmt_reqlst		ID_chk_reqlst (Ai_No,TEI_N)		
START T201 ?UI_Mgmt +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L501	ID_chk_resp (TEI_N)	(P)	No response
			(F)	
			(F)	
			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
?TIMEOUT Td +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER)] #			(F) I	No response Test not run
Extended Comments:Q.921 Ref. 5.3.5.2 Conditional Execution - The test execution depends on whether the IUT responds to an unsolicited UA with ID_Verify procedures .				

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Behaviour Description	Label	Constraints Reference	V	Comments
# +DL_POSTABLE [NOT(UNSOLUA_ID_VER)]			I	Test not run

Extended Comments: Q.921 Ref. 5.3.5.2
Conditional Execution - The test execution depends on whether the IUT responds to an unsolicited UA with ID_Verify procedures.

Test Case Dynamic Behaviour					
Reference:LAPD/MGMT/DMS0_V10					
Identifier:DMS0_V10					
Purpose:Verify that the IUT sends an ID_Verify in response to a ID_Check Request.. The IUT's TEI value is NOT within the list of AI values specified in request). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Establishment state (5.0).					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
#	[UNSO_LUA_ID_VER] +DL50_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedure
#					
#					
#					
#					
#	START TD ?UI_Mgmt +ASSIGN_AI	L500	ID_Ver		Get two unassigned TEIs for AI list in ID Check Req Assigned TEI NOT in the AI list
#	!UI_Mgmt_reqlst		ID_chk_reqlst (Ai_No,Ai_Num)		
#					
#	START T201 ?UI_Mgmt	L501	ID_Ver	(F)	
#	+DL50_ID_VERIFICATION +DL_POSTAMBLE GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201			(F) (F) (F)	No response
#					

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM50_V11 Identifier:DM50_V11 Purpose:Verify that the IUT removes its TEI in response to an ID_Remove with TEI value = 127 in Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO] +DL50_PREAMBLE (Ai_No::=127) !UI_Mgmt START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt +DL20_VERIFICATION +DL_POSTAMBLE ?SABME	L500	ID_Rmv(Ai_No)	(P)	Set Ai=127
GOTO L500 +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [NOT(TEI_AUTO)]		ID_Req	(P)	
#		SABME1_UC		P=1,IUT's T200 expire d
#			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.3.4 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO). Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM50_V12 Identifier:DM50_V12 Purpose:Verify that the IUT removes its TEI in response to an ID_Remove with Ai value = IUT's TEI value in Awaiting Establishment state (5.0). The IUT is expected to enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO] +DL50_PREAMBLE !UI_Mgmt # # START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt +DL20_VERIFICATION +DL_POSTAMBLE ?SABME	L500	ID_Rmv(TEI_N)	(P)	Remove the assigned TEI
GOTO L500 +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [NOT(TEI_AUTO)]		ID_Req	(P)	
#		SABME1_UC		P=1,IUT's T200 expire d
#			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.3.4 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO). Allow for SABME due to expiry of IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour

Reference: LAPD/MGMT/DM50_V13				
Identifier: DM50_V13				
Purpose: Verify that the IUT either 1) sends an ID_Verify, 2) removes its TEI, or 3) does not respond, to a timeout of T200 N200 times in the Awaiting Establishment state (5.0). The IUT is expected to be in either Awaiting Establishment state (5.0), TEI Unassigned state (1.0), or TEI Assigned state (4.0), respectively.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE (RC::=0)				
# [RC<N200] START Td ?SABME(RC::=RC+1)	L500			No retransmission yet
# GOTO L500 +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [RC=N200] START Td [ACT_ON_GH_MDL_ERR] [TEI_AUTO] ?UI_Mgmt	L501	SABME1_UC		P=1 retransmission
+DL40_ID_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt	L502	ID_Ver	(P)	Sends ID Verify
+DL20_VERIFICATION +DL_POSTAMBLE ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L502 ?OTHERWISE +DL_POSTAMBLE		ID_Req	(P)	Request a new TEI
			(P)	Removes TEI

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LAPD Conformance Testing

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Behaviour Description	Label	Constraints Reference	V	Comments
# [NOT(TEI_AUTO)] ?SABME +DL50_VERIFICATION +DL_POSTAMBLE ?TIMEOUT Td [STABLE_IN_S1] +DL_POSTAMBLE [NOT(STABLE_IN_S1)] +DL40_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L504 ?OTHERWISE +DL_POSTAMBLE [NOT(ACT_ON_GH_MDL_ERR)] ?TIMEOUT Td	L504	SABME1_UC	(P)	Reassigned TEI
+DL40_VERIFICATION +DL_POSTAMBLE ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L503 ?OTHERWISE +DL_POSTAMBLE	L503	SABME1_UC	(P)	TEI Removed
			(F)	TEI reassigned
			(P)	Does not respond
			(P)	re-est link
Extended Comments: Q.921 Ref. 5.5.3.2 and Table II-1 of Appendix II. The expected behavior depends on the way the IUT acts on the MDL-ERROR (G) or (H).				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DW50_V14				
Identifier:DW50_V14				
Purpose:Verify that the IUT sends an ID_Verify or removes a TEI in response to an unsolicited UA(F=0) in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0) or, when TEI is removed, enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER OR TEI_AUTO] +DL50_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td [UNSOLUA_ID_VER] ?SABME	L500	SABME1_UC		IUT T200 has expired
GOTO L500				
?UI_Mgmt +DL50_ID_VERIFICATION +DL_POSTAMBLE		ID_Ver	(P)	
+DL50_UNEXPECTED GOTO L500				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT Td			(F)	No response
+DL_POSTAMBLE				
[(NOT(UNSOLUA_ID_VER)) AND (TEI_AUTO)]	L501	SABME1_UC	(P)	No response
?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE				
?SABME				
GOTO L501				
+DL50_UNEXPECTED GOTO L501				
?UI_Mgmt				IUT T200 has expired

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Behaviour Description	Label	Constraints Reference	V	Comments
# # +DL20_VERIFICATION # +DL_POSTAMBLE # ?OTHERWISE # +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER OR TEI_AUTO)]			(F) I	removed TEI and request ing ID Test not run

Extended Comments: Q.921 Ref. 5.8.7

Conditional Execution - The test execution path which the IUT will take is based on whether

- 1) The IUT is an automatic TEI device.
- 2) The IUT responds to an unsolicited UA with ID_Verify procedures. If the IUT does send the ID_Verify, this test will respond with the ID_Check_Request management frame (in the _ID_VERIFICATION) to ensure that the IUT does not resend the ID_Verify.
- 3) The IUT is a non-automatic TEI device and does not implement ID_Verify Response to UA.

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DW50_I01				
Identifier:DW50_I01				
Purpose:Verify that the IUT does not respond to an ID_Denied with Ai = 127 received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !UI_Mgmt				
# START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	ID_Denied (Ri_No, 127)	(P)	P=1, IUT's T200 expire d
#		SABMEL_UC		
#				
+DL50_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE			(F) (F) (F)	
Extended Comments:Q.921 Ref. 5.3.2 Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DW50_I03				
Identifier:DW50_I03				
Purpose:Verify that the IUT does not respond to an ID_Check_Request with non-matching TEI received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE +ASSIGN_TEI				
# !UI_Mgmt				
# START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	ID_chk_req (TEI_No)		Assign TEI not in use
#		SABMEL_UC	(P)	P=1, IUT's T200 expire d
#				
+DL50_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE			(F) (F) (F) (F)	
Extended Comments:Q.921 Ref. 5.3.3.2 TEI value is a valid value not equal to the TEI value under test. Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM50_I04				
Identifier:DM50_I04				
Purpose:Verify that the IUT does not respond to an ID_Remove with non-matching Ai received in Awaiting Establishment state (5.0)				
. The IUT is expected to remain in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE +ASSIGN_AI				
#				
!UI_Mgmt		ID_Rmv(Ai_No)		Get an unused TEI Ai <> TEI_N , Ai valid
START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	SABME_UC	(F)	P=l,IUT's T200 expire d
#				
#				
+DL50_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE			(F)	
#				
#				
Extended Comments:Q.921 Ref. 5.3.4 Ai is a valid value (64-126) but not equal to TEI under test. Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM50_N01				
Identifier:DM50_N01				
Purpose:Verify that the IUT does not respond to an ID_Check_Request with an invalid management identifier received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE (S_N::=63,T_N::=127,ME_ID:: #='11110000'B,MSG_TYPE::='00000100'B) # # # # # # # # #				
!UI_Mgmt		Invalid_Mgmt (S_N,T_N, ME_ID,0, MSG_TYPE, TEI_N)		Assign the invalid Management Identifier
START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	SABME_UC	(P)	P=l,IUT's T200 expire d
#				
#				
+DL50_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE			(F)	
#				
#				
Extended Comments:Q.921 Ref. 5.3.3.2 Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour					
Reference: LAPD/MGMT/DM60_V01					
Identifier: DM60_V01					
Purpose: Verify that an Automatic TEI either 1) sends an ID_Verify, or 2) removes TEI to an ID_Assign with Ai duplicated in Awaiting Release state (6.0).					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
[TEI_AUTO AND TEIchk_no_IDReq] +DL60_PREAMBLE (Ai_No:=TEI_N) !UI_Mgmt		ID_Assign_Ai (63,Ai_No)		Send duplicated Ai	
START Td ?UI_Mgmt +DL60_VERIFICATION	L600	ID_Ver	(P)	Rec'd ID-Verify	
+DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600			(F)		
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL60_VERIFICATION +DL_POSTAMBLE [NOT(TEI_AUTO AND TEIchk_no_IDReq)]			(P)	No Response Removes TEI	
			I	Test not run	
#					
#					
Extended Comments: Q.921 Ref. 5.3.2 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO). This test is not executed by the IUT that compares the TEI value in the Identity assigned message with its own only when an Identity Request message is outstanding [NOT(TEIchk_no_IDReq)]. The test path is determined by the FIXIT parameter ID_VER_IWP which determines if the IUT implements the ID_Verify management procedures.					

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MGMT/DN60_V03 Identifier:DN60_V03 Purpose:Verify that the IUT sends a second ID_Verify after receiving no response to its first ID_Verify. The IUT is expected to remain in Awaiting Release state (6.0).					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
# # # # # #	[UNSOLUA_ID_VER] +DL60_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
#	START Td ?UI_Mgmt	L600	ID_Ver		Receive 1st ID Verify
#	START T202 ?TIMEOUT T202	L601			Let T202 expire
# #	START T202 ?UI_Mgmt +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L602 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT TD +DL_POSTAMBLE	L602	ID_Ver	(F)	Receive second ID verify
				(F)	
				(F)	
				(F)	
				(F)	
				(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(UNSOLUA_ID_VER)]			I	Test not run
Extended Comments:Q.921 Ref. 5.3.5.3 Conditional Execution- Multiple TEI's must be supported to run this test.				

Test Case Dynamic Behaviour

Reference:LAPD/MGMT/DM60_V04 Identifier:DM60_V04 Purpose:Verify that the IUT removes a TEI after receiving no response to two ID_Verify management frames. The IUT is expected to remove the TEI and enter TEI Unassigned state (1.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL60_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td ?UI_Mgmt	L600	ID_Ver		Receive 1st ID_Verify
START T202 ?TIMEOUT T202	L601			Let T202 expire
START T202 ?UI_Mgmt	L602	ID_Ver	(P)	Receive second ID_Verify
START Td ?TIMEOUT Td	L603		(P)	TEI is removed
#+DL10_VERIFICATION				
#+DL_POSTAMBLE ?UI_Mgmt		ID_Req	(P)	TEI is removed and attempt to reassign
#+DL10_VERIFICATION				
#+DL_POSTAMBLE +DL60_UNEXPECTED GOTO L603 ?OTHERWISE			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE +DL60_UNEXPECTED GOTO L602 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER OR TEL_AUTO)]				
#			I	Test not run

Extended Comments: Q.921 Ref. 5.3.5.3

Conditional Execution - This test is executed only under the following conditions -

- 1) The IUT is an automatic TEI device.
- 2) The IUT responds to an unsolicited UA with ID_Verify procedures

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Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM60_V05				
Identifier:DM60_V05				
Purpose:Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with the Ai value matched received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !UI_Mgmt		ID_chk_req (TEI_N)		AI matches IUT's TEI
START T201 ?UI_Mgmt	L600	ID_chk_resp (TEI_N)	(P)	Same AI expected in response
+DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE			(F) (F)	

Extended Comments:Q.921 Ref. 5.3.3.1

extended Comments:Q.921 Ref. 5.3.3.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/NGMT/DM60_V06				
Identifier:DM60_V06				
Purpose:Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with TEI value = 127 received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !UI_Mgmt		ID_chk_req (127)		TEI value set to 127
#				
START T201 ?UI_Mgmt	L600	ID_chk_resp (TEI_N)	(P)	Same Ai expected in response
#				
#				
+DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE			(F)	
			(F)	

Extended Comments:Q.921 Ref. 5.3.3.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM60_V07				
Identifier:DM60_V07				
Purpose:Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request (AI matching). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL60_PREAMBLE !UA START Td ?UI_Mgmt	L600	UA0_NR ID_Ver ID_chk_req (TEI_N)		Send UA F=0 Rcv'd ID Verify Send ID Check Req
#				
!UI_Mgmt START T201 ?UI_Mgmt	L601	ID_chk_resp (TEI_N)	(P)	
#				
+DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (UNSOLUA_ID_VER)]			(F)	No response
#			(F)	No response
			(F)	No response
			I	Test not run

Extended Comments:Q.921 Ref. 5.3.5.2

Conditional Execution - The test execution path which the IUT will take is based on whether the IUT responds to an unsolicited UA with ID_VERIFY procedures .

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM60_V08				
Identifier: DM60_V08				
Purpose: Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request (TEI = 127). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSO_LUA_ID_VER] +DL60_PREAMBLE (FLAG:=FALSE)				
# # # # # #		UA0_NR		Assume no response Send an unsolicited UA to initiate ID_Verify procedures
START Td ?UI_Mgmt !UI_Mgmt	L600	ID_Ver ID_chk_req (127)		TEI set to 127
#				
START T201 ?UI_Mgmt_reslst	L601	ID_chk_reslst		
# (FLAG:=TRUE)			(F)	
GOTO L601 +DL40_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 {FLAG=TRUE}			(P)	Receive at least one response
# #				
+DL60_VERIFICATION +DL_POSTAMBLE {FLAG=FALSE} +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE			(F)	No response
#			(F)	

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LAPD Conformance Testing

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Behaviour Description	Label	Constraints Reference	V	Comments
?TIMEOUT Td +DL_POSTAMBLE {NOT(UNSO_LUA_ID_VER)}			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.3.5.2 Conditional Execution - The test execution path which the IUT will take is based on whether the IUT responds to an unsolicited UA with ID_Verify procedures.				

Test Case Dynamic Behaviour

Reference: LAPD/MGMT/DM60_V09
 Identifier: DM60_V09
 Purpose: Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request. The IUT's TEI value is within the list of AI values specified in request. The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Waiting Release state (6.0).

Default:

Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL60_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td ?UI_Mgmt +ASSIGN_AI	L600	ID_Ver		Get an unassigned TEI for the AI list of ID Check Req
!UI_Mgmt_reqlst		ID_chk_reqlst (Ai_No,TEI_N)		Assigned TEI is in the AI list
START T201 ?UI_Mgmt +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE	L601	ID_chk_resp (TEI_N)	(P)	No response
			(F)	
			(F)	
			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
?TIMEOUT Td +DL_POSTAMBLE {NOT(UNSOLUA_ID_VER)}			(F)	No response
#			I	Test not run
Extended Comments: Q.921 Ref. 5.3.5.2 Conditional Execution - The test execution depends on whether the IUT responds to an unsolicited UA with ID_Verify procedures.				

Test Case Dynamic Behaviour					
Reference:LAPD/MGMT/DL60_V10					
Identifier:DM60_V10					
Purpose:Verify that the IUT sends an ID_Verify in response to a ID_Check Request. The IUT's TEI value is NOT within the AI list in the request). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Awaiting Release state (6.0).					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
#	[UNSOLUA_ID_VER]				
#	+DL60_PREAMBLE		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedure
#	!UA				
#	START Td	L600	ID_Ver		Get two unassigned TEIs for AI list in ID Check Req Assigned TEI NOT in the AI list
#	?UI_Mgmt +ASSIGN_AI				
#	!UI_Mgmt_reqlist		ID_chk_reqlist (Ai_No,Ai_Num)	(P)	
#	START T201 ?UI_Mgmt	L601	ID_chk_resp (TEI_N)		
#	+DL60_ID_VERIFICATION				No response
	+DL_POSTAMBLE				
	+DL60_UNEXPECTED GOTO L601			(F)	
	?OTHERWISE +DL_POSTAMBLE				
	?TIMEOUT T201			(F)	
	+DL_POSTAMBLE				
	+DL60_UNEXPECTED GOTO L600				
	?OTHERWISE +DL_POSTAMBLE				

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Behaviour Description	Label	Constraints Reference	V	Comments
?TIMEOUT Td +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER)] #			(F) I	No response Test not run
Extended Comments:0.921 Ref. 5.3.3.5.2 Conditional Execution - The test execution depends on whether the IUT responds to an unsolicited UA withID_Verify procedures .				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM60_V11				
Identifier: DM60_V11				
Purpose: Verify that the IUT removes its TEI in response to an ID_Remove with TEI value = 127 in Awaiting Release state (6.0)				
The IUT is expected to enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO] +DL60_PREAMBLE (Ai_No::= 127)				Set Ai = 127
#		ID_Rmv (Ai_No)		
!UI_Mgmt START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt +DL20_VERIFICATION +DL_POSTAMBLE ?DISC	L600		(P)	
		ID_Req	(P)	
		DISC1_UC		P=1, IUT's T200 expire d
#				
GOTO L600 +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE [NOT (TEI_AUTO)]			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.3.4 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO). Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM60_V12				
Identifier: DM60_V12				
Purpose: Verify that the IUT responds to an ID_Remove with Ai value = IUT's TEI value received in Awaiting Release state (6.0). The IUT is expected to enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO] +DL60_PREAMBLE !UI_Mgmt		ID_Rmv (TEI_N)		Ai value is the assigned TEI
#				
START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt +DL20_VERIFICATION +DL_POSTAMBLE ?DISC	L600		(P)	
		ID_Req	(P)	
		DISC1_UC		P=1, IUT's T200 expire d
#				
GOTO L600 +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE [NOT (TEI_AUTO)]			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.3.4 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO). Allow for DISC due to expiry of IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM60_V13				
Identifier: DM60_V13				
Purpose: Verify that the IUT either 1) sends an ID_Verify, 2) removes its TEI, or 3) does not respond, to a timeout of T200 N200 times in the Awaiting Release state (6.0). The IUT is expected to be in either Awaiting Establishment state (5.0), TEI Unassigned state (1.0), or TEI Assigned state (4.0), respectively.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE (RC::=0)				
# [RC<N200] START Td ?DISC(RC::=RC+1)	L600			No retransmission yet
# GOTO L600 +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [RC=N200] START Td [ACT_ON_GH_MDL_ERR] [TEI_AUTO] ?UI_Mgmt	L601	DISC1_UC		P=1 retransmission
			(F)	
			(F)	
# +DL40_ID_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt	L602	ID_Ver	(P)	Sends ID Verify
		ID_Req	(P)	Request a new TEI
# +DL20_VERIFICATION +DL_POSTAMBLE ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L602 ?OTHERWISE +DL_POSTAMBLE			(P)	Removes TEI
			(F)	

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LAPD Conformance Testing

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Behaviour Description	Label	Constraints Reference	V	Comments
# [NOT(TEI_AUTO)] ?SABME +DL50_VERIFICATION +DL_POSTAMBLE ?TIMEOUT Td [STABLE_IN_S1] +DL_POSTAMBLE [NOT(STABLE_IN_S1)]	L604	SABME1_UC	(P)	Reassigned TEI
# +DL40_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L604 ?OTHERWISE +DL_POSTAMBLE [NOT(ACT_ON_GH_MDL_ERR)] ?TIMEOUT Td			(F)	
# +DL40_VERIFICATION +DL_POSTAMBLE ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L603 ?OTHERWISE +DL_POSTAMBLE	L603	SABME1_UC	(P)	Does not respond
			(F)	re-est link
Extended Comments: Q.921 Ref. 5.5.3.2 and Table II-1 of Appendix II. The expected behavior depends on the way the IUT acts on the MDL-ERROR (G) or (H).				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM60_V14 Identifier: DM60_V14 Purpose: Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA(F=0). The IUT is expected to remain in Awaiting Release state (6.0) or, when TEI is removed, enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLOUA_ID_VER OR TEI_AUTO] +DL60_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td [UNSOLOUA_ID_VER] ?DISC	L600	DISC1_UC		IUT T200 has expired
GOTO L600 ?UI_Mgmt		ID_Ver	(P)	Receive ID_Verify
+DL60_ID_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL_POSTAMBLE [(NOT (UNSOLOUA_ID_VER)) AND # (TEI_AUTO)]			(F)	No response
?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?DISC	L601		(P)	No response
GOTO L601 +DL60_UNEXPECTED GOTO L601 ?UI_Mgmt		DISC1_UC		IUT T200 has expired
		ID_Req	(P)	IUT has

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LAPD Conformance Testing

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT(UNSOLOUA_ID_VER OR TEI_AUTO)]			(F)	removed TEI and requesting ID
#			I	Test not run

Extended Comments: Q.921 Ref. 5.8.7

Conditional Execution - The test execution path which the IUT will take is based on whether
1) The IUT is an automatic TEI device.
2) The IUT responds to an unsolicited UA with ID_Verify procedures. If the IUT does send the ID_Verify, this test will respond with the ID_Check_Request management frame (in the ID_ID_VERIFICATION) to ensure that the IUT does not resend the ID_Verify.
3) The IUT is a non-automatic TEI device and does not implement ID_Verify_Response to UA.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM60_V15 Identifier:DM60_V15 Purpose:Verify that an IUT supporting automatic TEI assignment, enters TEI Unassigned state (1.0), and either sends an ID-Request or sends nothing, in response to an ID-Remove (Ai=127) received in Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO] +DL60_PREAMBLE !UI_Mgmt START Td ?UI_Mgmt +DL_POSTAMBLE ?RR GOTO L600 +DL60_UNEXPECTED GOTO L600 ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT(TEI_AUTO)] #	L600	ID_Rmv(127) ID_Req RR1_UC(V_R)	(P) (P) (F) I	Test not run
Extended Comments:Q.921 Ref. 5.3.4 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO).				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM60_V17 Identifier:DM60_V17 Purpose:Verify that an IUT supporting automatic TEI assignment, enters TEI Unassigned state, and either sends an ID-Request or sends nothing, in response to an ID-Remove (Ai=IUT's TEI value) received in Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO] +DL60_PREAMBLE !UI_Mgmt	L600	ID_Rmv(TEI_No)	(P)	
START Td ?UI_Mgmt +DL_POSTAMBLE ?RR GOTO L600 +DL60_UNEXPECTED GOTO L600 ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT(TEI_AUTO)]				
#			I	Test not run

Extended Comments:Q.921 Ref. 5.3.4
Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO).

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM60_I01 Identifier: DM60_I01 Purpose: Verify that the IUT does not respond to an ID_Denied with Ai = 127 received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !UI_Mgmt		ID_Denied (Ri_No, 127)		
# START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC	L600	DISCL_UC	(F)	P=1, IUT's T200 expired
+DL60_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE GOTO L600 ?OTHERWISE +DL_POSTAMBLE			(F)	
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.3.2 Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM60_I03 Identifier: DM60_I03 Purpose: Verify that the IUT does not respond to an ID_Check_Request with non-matching TEI received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE +ASSIGN_TEI		ID_chk_req (TEI_No)		Assign TEI not in use
# !UI_Mgmt				
# START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC	L600	DISCL_UC	(P)	P=1, IUT's T200 expired
+DL60_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE GOTO L600 ?OTHERWISE +DL_POSTAMBLE			(F)	
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.3.3.2 TEI value is a valid value not equal to the TEI value under test. Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case: Dynamic Behaviour				
Reference: LAPD/MCMY/DM60_N03				
Identifier: DM60_N03				
Purpose: Verify that the IUT does not respond to an ID_Check_Request with an invalid TEI (126) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE (S_N::=63,T_N::126,ME_ID:: #='00001111'B,MSG_TYPE::'00000100'B) # # # # # # !UI_Mgmt		Invalid_Mgmt (S_N,T_N, ME_ID,0, MSG_TYPE, TEI_N)		Assign the invalid TEI Address
START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC	L600	DISC_UC	(F)	P=1, IUT's T200 expire d
+DL60_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE			(F) (F) (F)	

Extended Comments: Q.921 Ref. 5.3.3.2
Allow for DISC due to expiry of the IUT's T200.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DW70_V01 Identifier: DW70_V01 Purpose: Verify that an Automatic TEI either 1) sends an ID_Verify, or 2) removes TEI to an ID_Assign with AI duplicated in Multiple Frame Established state (7.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{TEI_AUTO AND TEICHK_no_IDReq} +DL70_PREAMBLE (AI_No::=TEI_N) !UI_Mgmt START Td ?UI_Mgmt +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE [NOT(TEI_AUTO AND TEICHK_no_IDReq)]	L700	ID_Assign_AI (63,AI_No) ID_Ver	(P) (P) (P) I	Send duplicated AI Rec'd ID-Verify No Response Removes TEI Test not run
Extended Comments: Q.921 Ref. 5.3.2 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO). This test is not executed by the IUT that compares the TEI value in the Identity assigned message with its own only when an Identity Request message is outstanding (NOT(TEICHK_no_IDReq)). The test path is determined by the PIXIT parameter ID_VER_IMP which determines if the IUT implements the ID_Verify management procedures.				

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM70_V02				
Identifier: DM70_V02				
Purpose: Verify that the IUT does not respond to an ID_Assign with nonmatching Ai received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE +ASSIGN_AI				
!UI_Mgmt				
START Td ?TIMEOUT Td	L700	ID_Assign_Ai (63, Ai_No)	(P)	Get an unused TEI Ai < TEI, Ai valid
+DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE			(F)	Unmatched Ai
Extended Comments: Q.921 Ref. 5.3.2 Ai is a valid value (64-126) but not equal to the TEI under test.				

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM70_V03				
Identifier: DM70_V03				
Purpose: Verify that the IUT sends a second ID_Verify after receiving no response to its first ID_Verify. The IUT is expected to remain in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(UNSOLUA_ID_VER) +DL70_PREAMBLE !UA		UAO_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td ?UI_Mgmt	L700	ID_Ver		Receive 1st ID_Verify
START T202 ?TIMEOUT T202	L701			Let T202 expire
START T202 ?UI_Mgmt	L702	ID_Ver	(P)	Receive second ID_Verify
+DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L702 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
			(F)	

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Behaviour Description [NOT (UNSOLUA_ID_VER)]	Label	Constraints Reference	V	Comments
#			I	Test not run
Extended Comments: Q.921 Ref. 5.3.5.3 Conditional Execution- Multiple TEI's must be supported to run this test.				

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM70_V04				
Identifier: DM70_V04				
Purpose: Verify that the IUT removes a TEI after receiving no response to two ID_Verify management frames sent by the IUT. The IUT is expected to enter TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL70_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
#				
#				
#				
#				
START Td ?UI_Mgmt	L700	ID_Ver		Receive 1st ID_Verify
#				
START T202 ?TIMEOUT T202	L701			Let T202 expire
#				
START T202 ?UI_Mgmt	L702	ID_Ver	(P)	Receive second ID_Verify
#				
#				
START Td ?TIMEOUT Td	L703		(P)	TEI is removed
#				
#+DL10_VERIFICATION				
#+DL_POSTAMBLE				
#				
#				
#				
#+DL10_VERIFICATION				
#+DL_POSTAMBLE				
+DL70_UNEXPECTED GOTO L703 ?OTHERWISE		ID_Req	(P)	TEI is removed and attempt to reassign
			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE +DL70_UNEXPECTED GOTO L702 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER OR TEL_AUTO)]			(F) (F) (F)	Test not run

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Test Case Dynamic Behaviour				
Reference: LAPD/MCHT/DM70_V05				
Identifier: DM70_V05				
Purpose: Verify that the IUT sends an ID_Check Response in response to a ID_Check_Request with the Ai value matched received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE				
+UI_Mgmt				
START T201				
?UI_Mgmt	L700	ID_chk_req (TEI_N)	(P)	AI matches IUT's TEI
+DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE		ID_chk_resp (TEI_N)	(F)	Same AI expected in response
			(F)	

Extended Comments: Q.921 Ref. 5.3.3.1

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4 Abstract Test Suite - Part I

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Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM70_V06 Identifier:DM70_V06 Purpose:Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with the TEI value - 127 in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !UI_Mgmt		ID_chk_req (127)		TEI value set to 127
START T201 ?UI_Mgmt	L700	ID_chk_resp (TEI_N)	(P)	Same Ai expected in response
+DL70_VERIFICATION +DL_POSTAMBLE GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.3.3.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM70_V07 Identifier:DM70_V07 Purpose:Verify that the IUT sends an ID_Check_Response in response to an ID_Check_Request (Ai matching). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Multiple Frame Established state (7.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL70_PREAMBLE !UA START Td ?UI_Mgmt		UA0_NR		Send UA F=0
!UI_Mgmt	L700	ID_Ver ID_chk_req (TEI_N)		Rcv'd ID Verify Send ID Check Req
START T201 ?UI_Mgmt				
+DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE	L701	ID_chk_resp (TEI_N)	(P)	
+DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F)	No response
[NOT(UNSOLUA_ID_VER)]			(F)	No response
			(F)	No response
			(F)	No response
			I	Test not run
Extended Comments:Q.921 Ref. 5.3.5.2 Conditional Execution - The test execution path which the IUT will take is based on whether the IUT responds to an unsolicited UA with ID_VERIFY procedures .				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM70_V09				
Identifier:DM70_V09				
Purpose:Verify that the IUT sends an ID_Check_Response in response to a ID_Check Request. The IUT's TEI value is within the list of AI values specified in request. The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL70_PREAMBLE !UA		UAO_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td ?UI_Mgmt +ASSIGN_AI	L700	ID_Ver		Get an unassigned TEI for the AI list in the ID Check Req Assigned TEI in the AI list
!UI_Mgmt_req1st		ID_chk_req1st (Ai_No,TEI_N)		
START T201 ?UI_Mgmt	L701	ID_chk_resp (TEI_N)	(P)	
+DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE			(F)	No response

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Behaviour Description	Label	Constraints Reference	V	Comments
?TIMEOUT Td +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER)] #			(F) I	Test not run
Extended Comments:Q.921 Ref. 5.3.5.2 Conditional Execution - The test execution depends on whether the IUT responds to an unsolicited UA with ID_Verify procedures .				

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM70_V10				
Identifier: DM70_V10				
Purpose: Verify that the IUT sends an ID_Verify in response to a ID_Check Request. The IUT's TEI value is NOT within specified list in request). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(UNSOLUA_ID_VER) +DL70_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedure
START Td ?UI_Mgmt +ASSIGN_AI	L700	ID_Ver		Get two unassigned TEIs for AI list in ID
!UI_Mgmt_req1st		ID_chk_req1st (Ai_No, Ai_Num)		Check Req Assigned TEI NOT in AI list
START T201 ?UI_Mgmt	L701	ID_Ver	(P)	
#+DL70_ID_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td			(F) (F) (F) (F) (F) (F)	No response

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE [NOT(UNSOLUA_ID_VER)]			I	Test not run
#				
Extended Comments: 0.921 Ref. 5.3.5.2 Conditional Execution - The test execution depends on whether the IUT responds to an unsolicited UA with ID_Verify procedures.				

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM70_V11				
Identifier: DM70_V11				
Purpose: Verify that the IUT removes its TEI in response to an ID_Remove with TEI value = 127 in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (Ai_No ::= 127)				
#				
!UI_Mgmt START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt +DL20_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	L700	ID_Rmv(Ai_No) ID_Req	(P) (P) (F)	Set AI to 127
Extended Comments: 0.921 Ref. 5.3.4				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DW70_V12				
Identifier:DW70_V12				
Purpose:Verify that the IUT responds to an ID_Remove with AI value = IUT's TEI value in Multiple Frame Established state (7.0). The IUT is expected to enter TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE ?UI_Mgmt START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt +DL10_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	L700	ID_Rmv (TEI_N) ID_Req	(P) (P) (F)	
Extended Comments:Q.921 Ref. 5.3.4				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DW70_V13				
Identifier:DW70_V13				
Purpose:Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA(F=1) in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0) or, when TEI is removed , enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER OR TEI_AUTO] +DL70_PREAMBLE !UA		UAL_Nr		Send an unsolicited UA to initiate ID_Verify procedures
START Td [UNSOLUA_ID_VER] ?UI_Mgmt +DL70_ID_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [(NOT (UNSOLUA_ID_VER)) AND (TEI_AUTO)]	L700	ID_Ver	(P) (F) (F) (P)	Receive ID_Verify
?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?UI_Mgmt +DL20_VERIFICATION +DL_POSTAMBLE	L701	ID_Req	(P)	IUT has removed TEI and requesting ID

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Behaviour Description	Label	Constraints Reference	V	Comments
?OTHERWISE +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER OR TEI_AUTO)]			(F) I	Test not run
Extended Comments:Q.921 Ref. 5.8.7 Conditional Execution - The test execution path which the IUT will take is based on whether				
1) The IUT is an automatic TEI device. 2) The IUT responds to an unsolicited UA with ID_Verify procedures. If the IUT does send the ID_Verify, this test will respond with the ID_CheckRequest management frame (in the _ID_VERIFICATION) to ensure that the IUT does not resend the ID_Verify. 3) The IUT is a non-automatic TEI device and does not implement ID_Verify_Response to UA.				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DW70_V14 Identifier:DW70_V14 Purpose:Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA(F=0). The IUT is expected to remain in Multiple Frame Established state (7.0) or, when TEI is removed, enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER OR TEI_AUTO] +DL70_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td [UNSOLUA_ID_VER] ?UI_Mgmt	L700	ID_Ver	(P)	Receive ID_Verify
+DL70_ID_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F)	No response
[(NOT(UNSOLUA_ID_VER)) AND # (TEI_AUTO)] ?TTIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?UI_Mgmt	L701	ID_Req	(P)	IUT has removed TEI and requesting ID
+DL20_VERIFICATION +DL_POSTAMBLE ?OTHERWISE			(F)	No response

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE [NOT (UNSOLUA_ID_VER OR TEI_AUTO)] #			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Conditional Execution - The test execution path which the IUT will take is based on whether 1) The IUT is an automatic TEI device. 2) The IUT responds to an unsolicited UA with ID_Verify procedures. If the IUT does send the ID_Verify, this test will respond with the ID_Check_Request management frame (in the ID_VERIFICATION) to ensure that the IUT does not resend the ID_Verify. 3) The IUT is a non-automatic TEI device and does not implement ID_Verify_Response to UA.				

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DW70_I01 Identifier: DW70_I01 Purpose: Verify that the IUT does not respond to an ID_Denied with Ai = 127 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	L700	ID_Denied (Ri_No, 127)	(P) (F)	

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Extended Comments: Q.921 Ref. 5.3.2

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DW70_I03 Identifier: DW70_I03 Purpose: Verify that the IUT does not respond to an ID_Check_Request with non-matching TEI received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE +ASSIGN_TEI # !UI_Mgmt # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	L700	ID_chk_req (TEI_No)	(P) (F)	Assign TEI not in use
Extended Comments: Q.921 Ref. 5.3.3.2 TEI value is a valid value not equal to the TEI value under test.				

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM70_I04				
Identifier: DM70_I04				
Purpose: Verify that the IUT does not respond to an ID_Remove with non-matching Ai received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE +ASSIGN_AI				
# !UI_Mgmt				Get an unused TEI Ai <> TEI_N, Ai valid
START Td ?TIMEOUT Td	L700	ID_Rmv(Ai_No)	(P)	Unmatched Ai
+DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.3.4 Ai is a valid value (64-126) but not equal to TEI under test.				

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM70_N01				
Identifier: DM70_N01				
Purpose: Verify that the IUT does not respond to an ID_Check_Request with an invalid management identifier received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (S_N::=63,T_N::=127,ME_ID::=00000100'B)				
# !UI_Mgmt				
START Td ?TIMEOUT Td	L700	Invalid_Mgmt (S_N,T_N, ME_ID,0, MSG_TYPE, TEI_N)	(P)	Assign the Invalid Mgmt Identifier
+DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.3.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM74_V11 Identifier: DM74_V11 Purpose: Verify that an IUT supporting automatic TEI assignment, enter the TEI Unassigned state (1.0), and either sends an ID-Request or sends nothing, in response to an ID-Remove (AI TEI assigned to the IUT) received in Multiple Frame Established state (7.4)				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [TEI_AUTO] +DL74_PREAMBLE !UI_Mgmt START Td ?UI_Mgmt +DL_POSTAMBLE ?RR GOTO L740 +DL74_UNEXPECTED GOTO L740 ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT (TEI_AUTO)] </pre>	L740	ID_Rmv (TEI_No) ID_Req RR1_UC (V_R)	(P) (P) (F) I	Test not run
Extended Comments: Q.921 Ref. 5.3.4 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO).				

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Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM74_V13				
Identifier: DM74_V13				
Purpose: Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA(F=1) in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state (7.4) or, when TEI is removed, enter TEI Unassigned state (1.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER OR TEI_AUTO] +DL74_PREAMBLE !UA		UAL_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td [UNSOLUA_ID_VER] ?RR	L740	RR1_UC(V_R)		IUT T200 has expired
GOTO L740 ?UI_Mgmt		ID_Ver	(P)	Receive ID_Verify
+DL74_ID_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [(NOT (UNSOLUA_ID_VER)) AND # (TEI_AUTO)]			(F)	No response
?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?RR	L741		(P)	IUT T200 has expired
GOTO L741 +DL74_UNEXPECTED GOTO L741 ?UI_Mgmt		RR1_UC(V_R)		IUT has
		ID_Reg	(P)	IUT has

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT (UNSOLUA_ID_VER OR TEI_AUTO)]			(F)	removed TEI and request ing ID
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.2 Conditional Execution - The test execution path which the IUT will take is based on whether 1) The IUT is an automatic TEI device. 2) The IUT responds to an unsolicited UA with ID_Verify procedures. If the IUT does send the ID_Verify, this test will respond with the ID_Check_Request management frame (in the ID_VERIFICATION) to ensure that the IUT does not resend the ID_Verify. 3) The IUT is a non-automatic TEI device and does not implement ID_Verify_Response to UA.				

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Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM74_V14				
Identifier: DM74_V14				
Purpose: Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA(F=0) in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state (7.4) or, when TEI is removed, enter TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER OR TEI_AUTO] +DL74_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td [UNSOLUA_ID_VER] ?RR	L740	RR1_UC(V_R)		IUT T200 has expired
GOTO L740 ?UI_Mgmt		ID_Ver	(P)	Receive ID_Verify
+DL74_ID_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [(NOT(UNSOLUA_ID_VER)) AND #(TEI_AUTO)]	L741		(F) (F) (P)	No response
?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?RR		RR1_UC(V_R)	(P)	IUT T200 has expired
GOTO L741 +DL74_UNEXPECTED GOTO L741 ?UI_Mgmt		ID_Req	(P)	IUT has

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER OR TEI_AUTO)]			(F) I	removed TEI and requesting ID Test not run
Extended Comments: Q.921 Ref. 5.8.2 Conditional Execution - The test execution path which the IUT will take is based on whether 1) The IUT is an automatic TEI device. 2) The IUT responds to an unsolicited UA with ID_Verify procedures. If the IUT does send the ID_Verify, this test will respond with the ID_Check_Request management frame (in the _ID_VERIFICATION) to ensure that the IUT does not resend the ID_Verify. 3) The IUT is a non-automatic TEI device and does not implement ID_Verify_Response to UA.				

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM74_V15 Identifier: DM74_V15 Purpose: Verify that an IUT supporting automatic TEI assignment, enters the TEI Unassigned state (1.0), and either sends an ID-Request or sends nothing, in response to an ID-Remove (AI=127) received in Multiple Frame Established state (7.4). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO] +DL74_PREAMBLE !UI_Mgmt START Td ?UI_Mgmt +DL_POSTAMBLE ?RR GOTO L740 +DL74_UNEXPECTED GOTO L740 ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT(TEI_AUTO)]	L740	ID_Rmv(127) ID_Req RR1_UC(V_R)	(P) (P) (F) I	Test not run
Extended Comments: Q.921 Ref. 5.3.4 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO).				

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM80_V01 Identifier: DM80_V01 Purpose: Verify that an Automatic TEI either 1) sends an ID_Verify, or 2) removes TEI to an ID_Assign with AI duplicated in Timer Recovery state (8.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO AND TEIchk_no_IDReq] +DL80_PREAMBLE (AI_No:=TEI_N) !UI_Mgmt # START Td ?UI_Mgmt +DL80_VERIFICATION +DL_POSTAMBLE GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE [NOT(TEI_AUTO AND TEIchk_no_IDReq)]	L800	ID_Assign_AI (63,AI_No) ID_Ver (P) (F) (P) I	(P) (F) (P) I	Send duplicated AI Rec'd ID-Ve rify No Response Removes TEI Test not run
Extended Comments: Q.921 Ref. 5.3.2 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO). This test is not executed by the IUT that compares the TEI value in the Identity assigned message with its own value in the Identity Request message is outstanding [TEIchk_no_IDReq]. The test path is determined by the PIXIT parameter ID_VER_IMP which determines if the IUT implements the ID_Verify management procedures.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM80_V02 Identifier: DM80_V02 Purpose: Verify that the IUT does not respond to an ID_Assign with nonmatching Ai in Timer Recovery state (8.0). The IUT is expected to remain in Timer Recovery state (8.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE +ASSIGN_Ai IUI_Mgmt START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?RR	L800	ID_Assign_Ai (63, Ai_No) RR1_UC(V_R)	(P)	Get an unused TEI Ai<>TEI, Ai valid P=1, IUT's T200 expired
+DL80_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE			(F)	
			(F)	
			(F)	
			(F)	

Extended Comments: Q.921 Ref. 5.3.2
Ai is a valid value (64 - 126) but not equal to the TEI under test.
Allow for RR poll due to expiry of the IUT's T200.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM80_V03 Identifier: DM80_V03 Purpose: Verify that the IUT sends a second ID_Verify after receiving no response to its first ID_Verify. The IUT is expected to remain in Timer Recovery state (8.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL80_PREAMBLE IUA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td ?UI_Mgmt	L800	ID_Ver		Receive 1st ID_Verify
START T202 ?TIMEOUT T202	L801			Let T202 expire
START T202 ?UI_Mgmt	L802	ID_Ver	(P)	Receive second ID_Verify
+DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L802 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T202 +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F)	
			(F)	
			(F)	
			(F)	
			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(UNSOLUA_ID_VER)]			I	Test not run
Extended Comments: Q.921 Ref. 5.4.5.3 Conditional Execution- Multiple TEI's must be supported to run this test.				

Test Case Dynamic Behaviour

Reference: LAPD/MGMT/DW80_V04				
Identifier: DW80_V04				
Purpose: Verify that the IUT removes a TEI after receiving no response to two ID_Verify management frames sent by the IUT. The IUT is expected to enter TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL80_PREAMBLE !UA				
#				
#				
#				
#				
#				
START Td ?UI_Mgmt	L800	UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
START T202 ?TIMEOUT T202	L801	ID_Ver		Receive 1st ID_Verify
START T202 ?UI_Mgmt	L802	ID_Ver	(P)	Let T202 expire
START Td ?TIMEOUT Td	L803	ID_Ver	(P)	Receive second ID_Verify
#				TEI is removed
#+DL10_VERIFICATION				
#+DL_POSTAMBLE				
#				
#				
#				
#+DL10_VERIFICATION				
#+DL_POSTAMBLE				
+DL80_UNEXPECTED GOTO L803 ?OTHERWISE		ID_Req	(P)	TEI is removed and attempt to reassign
			(F)	

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Test Case	Dynamic Behaviour
1. $\alpha = 0.0001$	Stable
2. $\alpha = 0.001$	Stable
3. $\alpha = 0.01$	Stable
4. $\alpha = 0.1$	Stable
5. $\alpha = 1$	Stable
6. $\alpha = 10$	Stable
7. $\alpha = 100$	Stable
8. $\alpha = 1000$	Stable
9. $\alpha = 10000$	Stable
10. $\alpha = 100000$	Stable
11. $\alpha = 1000000$	Stable
12. $\alpha = 10000000$	Stable
13. $\alpha = 100000000$	Stable
14. $\alpha = 1000000000$	Stable
15. $\alpha = 10000000000$	Stable
16. $\alpha = 100000000000$	Stable
17. $\alpha = 1000000000000$	Stable
18. $\alpha = 10000000000000$	Stable
19. $\alpha = 100000000000000$	Stable
20. $\alpha = 1000000000000000$	Stable
21. $\alpha = 10000000000000000$	Stable
22. $\alpha = 100000000000000000$	Stable
23. $\alpha = 1000000000000000000$	Stable
24. $\alpha = 10000000000000000000$	Stable
25. $\alpha = 100000000000000000000$	Stable
26. $\alpha = 1000000000000000000000$	Stable
27. $\alpha = 10000000000000000000000$	Stable
28. $\alpha = 100000000000000000000000$	Stable
29. $\alpha = 1000000000000000000000000$	Stable
30. $\alpha = 10000000000000000000000000$	Stable
31. $\alpha = 100000000000000000000000000$	Stable
32. $\alpha = 1000000000000000000000000000$	Stable
33. $\alpha = 10000000000000000000000000000$	Stable
34. $\alpha = 100000000000000000000000000000$	Stable
35. $\alpha = 1000000000000000000000000000000$	Stable
36. $\alpha = 10000000000000000000000000000000$	Stable
37. $\alpha = 100000000000000000000000000000000$	Stable
38. $\alpha = 1000000000000000000000000000000000$	Stable
39. $\alpha = 10000000000000000000000000000000000$	Stable
40. $\alpha = 100000000000000000000000000000000000$	Stable
41. $\alpha = 1000000000000000000000000000000000000$	Stable
42. $\alpha = 10000000000000000000000000000000000000$	Stable
43. $\alpha = 100000000000000000000000000000000000000$	Stable
44. $\alpha = 1000000000000000000000000000000000000000$	Stable
45. $\alpha = 100$	Stable
46. $\alpha = 1000$	Stable
47. $\alpha = 100$	Stable
48. $\alpha = 1000$	Stable
49. $\alpha = 100$	Stable
50. $\alpha = 1000$	Stable
51. $\alpha = 100$	Stable
52. $\alpha = 1000$	Stable
53. $\alpha = 100$	Stable
54. $\alpha = 1000$	Stable
55. $\alpha = 100$	Stable
56. $\alpha = 1000$	Stable
57. $\alpha = 100$	Stable
58. $\alpha = 1000$	Stable
59. $\alpha = 100$	Stable
60. $\alpha = 1000$	Stable
61. $\alpha = 100$	Stable
62. $\alpha = 1000$	Stable
63. $\alpha = 100$	Stable
64. $\alpha = 1000$	Stable
65. $\alpha = 100$	Stable
66. $\alpha = 1000</$	

Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_POSTAMBLE !UI_Mgmt		ID_chk_req (TEI_N)		AI matches IUT's TEI
START T201 ?UI_Mgmt	L800	ID_chk_resp (TEI_N)	(P)	Same AI expected in response
+DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800				
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201			(F)	
+DL_POSTAMBLE			(F)	

Extended Comments: 0.921 Ref. 5.3.3.1

Extended Comments:Q.921 Ref. 5.3.3.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM80_V06				
Identifier: DM80_V06				
Purpose: Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request with the TEI value set to 127 in timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !UI_Mgmt		ID_chk_req (127)		Set TEI to 127
# START T201 ?UI_Mgmt	L800	ID_chk_resp (TEI_N)	(P)	Same Ai expected in response
# +DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE			(F)	
			(F)	

Extended Comments: Q.921 Ref. 5.3.3.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM80_V07				
Identifier: DM80_V07				
Purpose: Verify that the IUT sends an ID_Check_Response in response to a ID_Check_Request (Ai matching). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL80_PREAMBLE !UA START Td ?UI_Mgmt !UI_Mgmt	L800	UA0_NR ID_Ver ID_chk_req (TEI_N)		Send UA F=0 Rcv'd ID Verify Send ID Check Req
# START T201 ?UI_Mgmt	L801	ID_chk_resp (TEI_N)	(P)	
# +DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER)]			(F)	No response
			(F)	
			(F)	No response
			(F)	
			I	Test not run

Extended Comments: Q.921 Ref. 5.3.5.2

Conditional Execution - The test execution path which the IUT will take is based on whether the IUT responds to an unsolicited UA with ID_VERIFY procedures. If the IUT does send the ID_Verify, this test will respond with the ID_Check_request

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management frame to ensure that the IUT does not resend the ID_Verify.

Test Case Dynamic Behaviour

Reference: LAPD/MGMT/DM80_V08

Identifier: DM80_V08

Purpose: Verify that the IUT sends an ID_Check_Response or in response to a ID_Check_Request (TEI = 127). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Timer Recovery state (8.0).

Default:

Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL80_PREAMBLE (FLAG::=FALSE)				
# # # # # # # #				
!UA				
START Td ?UI_Mgmt !UI_Mgmt				
#				
START T201 ?UI_Mgmt_reslst				
# (FLAG::=TRUE)	L800	UA0_NR		Assume no response Send an unsolicited UA to initiate ID_Verify procedures
GOTO L801 +DL80_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T201 [FLAG=TRUE]		ID_Ver ID_chk_req (127)		TEI set to 127
# #	L801	ID_chk_reslst	(F)	
+DL80_VERIFICATION +DL_POSTAMBLE [FLAG=FALSE] +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE				
#				
#				
			(P)	Receive at least one response
			(F)	No response
			(F)	

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Post Case Dynamic Behaviour

Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTANBLE (NOT(UNSOLUA_ID_VER)) #			I	Test not run

Extended Comments:Q.921 Ref. 5.3.5.2
Conditional Execution - The test execution depends on whether the IUT responds to an unsolicited UA withID_Verify procedures .

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM80_V10				
Identifier: DM80_V10				
Purpose: Verify that the IUT sends an ID_Verify in response to a ID_Check Request. The IUT's TEI value is NOT within the specified list in the request). The ID_Check_Request was prompted by an ID_Verify sent by the IUT. The IUT is expected to remain in Timer Recovery state (8.0).				
Default :				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER] +DL80_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedure
START Td ?UI_Mgmt +ASSIGN_AI	L800	ID_Ver		Get two unassigned TEIs for AI list in ID Check Req Assigned TEI not in AI list
!UI_Mgmt_reqlst		ID_chk_reqlst (Ai_No,Ai_Num)		
START T201 ?UI_Mgmt	L801	ID_Ver	(P)	
+DL80_ID_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td			(F)	No response

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE [NOT(UNSOLUA_ID_VER)]			I	Test not run
Extended Comments:Q.921 Ref. 5.3.5.2 Conditional Execution - The test execution depends on whether the IUT responds to an unsolicited UA with ID_Verify procedures .				

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM80_V11 Identifier:DM80_V11 Purpose:Verify that the IUT removes its TEI in response to an ID_Remove with TEI value = 127 in Timer Recovery state (9.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (Ai_No ::= 127) # !UI_Mgmt START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt +DL20_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE	L800	ID_Rmv(Ai_No) ID_Req	 (P) (P) (F)	 Set AI to 127
Extended Comments:Q.921 Ref. 5.3.4				

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Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM80_V12 Identifier:DM80_V12 Purpose:Verify that the IUT responds to an ID_Remove with AI value = IUT's TEI value in Timer Recovery state (8.0). The IUT is expected to enter TEI Unassigned state (1.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !UI_Mgmt START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?UI_Mgmt +DL10_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE	L800	ID_Rmv(TEI_N) ID_Req	 (P) (P) (F)	
Extended Comments:Q.921 Ref. 5.3.4				

Test Case Dynamic Behaviour				
Reference: LAPD/NGMT/DN80_V13				
Identifier: DN80_V13				
Purpose: Verify that the IUT sends an ID_Verify or removes a TEI in response to an unsolicited UA(F-1) in Timer Recovery state (8.0). The IUT is expected to remain in Timer Recovery state (8.0) or, when TEI is removed, enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{UNSOLUA_ID_VER OR TEI_AUTO} +DL80_PREAMBLE !UA		UAL_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td [UNSOLUA_ID_VER] ?RR	L800	RR1_UC(V_R)		IUT T200 has expired
GOTO L800 ?UI_Mgmt		ID_Ver	(F)	Receive ID_Verify
+DL80_ID_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [(NOT UNSOLUA_ID_VER)) AND (TEI_AUTO)]			(F)	No response
?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?RR	L801		(F)	No response
GOTO L801 +DL80_UNEXPECTED GOTO L801 ?UI_Mgmt		RR1_UC(V_R)		IUT T200 has expired
		ID_Req	(F)	IUT has

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER OR TEI_AUTO)]			(F)	removed TEI and request ing ID
Extended Comments: Q.921 Ref. 5.8.7				
Conditional Execution - The test execution path which the IUT will take is based on whether 1) The IUT is an automatic TEI device. 2) The IUT responds to an unsolicited UA with ID_Verify procedures. If the IUT does send the ID_Verify, this test will respond with the ID_Check_Request management frame (in the _ID_VERIFICATION) to ensure that the IUT does not resend the ID_Verify. 3) The IUT is a non-automatic TEI device and does not implement ID_Verify_Response to UA.				
			I	Test not run

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Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DW80_V14 Identifier: DW80_V14 Purpose: Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA(F=0). The IUT is expected to remain in Timer Recovery state (8.0) or, when TEI is removed, enter either TEI Unassigned state (1.0) or Assign Awaiting TEI state (2.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSO_LUA_ID_VER OR TEI_AUTO] +DL80_PREAMBLE !UA		UA0_NR		Send an unsolicited UA to initiate ID_Verify procedures
#				
#				
#				
#				
START Td [UNSO_LUA_ID_VER] ?RR	L800	RR1_UC(V_R)		IUT T200 has expired
#				
GOTO L800 ?UI_Mgmt		ID_Ver	(P)	Receive ID_Verify
#				
+DL80_ID_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL_POSTAMBLE [(NOT(UNSO_LUA_ID_VER)) AND #(TEI_AUTO)] ?UA			(F)	No response
#				
+DL80_ID_VERIFICATION +DL10_VERIFICATION +DL_POSTAMBLE ?RR GOTO L801 +DL80_UNEXPECTED GOTO L801 ?UI_Mgmt	L801	RR1_UC(V_R)	(P)	No response IUT T200 has expired
#				

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT(UNSO_LUA_ID_VER OR TEI_AUTO)]			(F)	removed TEI and request ing ID
#			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Conditional Execution - The test execution path which the IUT will take is based on whether 1) The IUT is an automatic TEI device. 2) The IUT responds to an unsolicited UA with ID_Verify procedures. If the IUT does send the ID_Verify, this test will respond with the ID_Check_Request management frame (in the ID_VERIFICATION) to ensure that the IUT does not resend the ID_Verify. 3) The IUT is a non-automatic TEI device and does not implement ID_Verify_Response to UA.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM80_I01				
Identifier: DM80_I01				
Purpose: Verify that the IUT does not respond to an ID_Denied with AI 127 in Timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !UI_Mgmt		ID_Denied (RI_No, 127)		
START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?RR	L800	RR1_UC(V_R)	(P)	P=1, IUT's T200 expire d
+DL80_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE			(F) (F) (F)	
Extended Comments: Q.921 Ref. 5.3.3.2 Allow for RR due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM80_I03				
Identifier: DM80_I03				
Purpose: Verify that the IUT does not respond to an ID_Check_Request with non matching TEI in Timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE +ASSIGN_TEI				Assign TEI not in use
!UI_Mgmt				
START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?RR	L800	ID_chk_req (TEI_No)		
+DL80_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE		RR1_UC(V_R)	(P)	P=1, IUT's T200 expire d
Extended Comments: Q.921 Ref. 5.3.3.2 TEI value is a valid value not equal to the TEI value under test. Allow for RR due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM80_I04 Identifier:DM80_I04 Purpose:Verify that the IUT does not respond to an ID_Remove with non-matching Ai in Timer Recovery state (8.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE +ASSIGN_AI				
#				Get an unused TEI
#		ID_Rmv(Ai_No)		Ai <> TEI_N , Ai valid
!UI_Mgmt				
START T200 (T200value - DELTA)				
?TIMEOUT T200 START T200	L800			
?RR		RR1_UC(V_R)	(P)	P=1, IUT's T200 expire d
+DL80_VERIFICATION				
+DL_POSTAMBLE				
?TIMEOUT T200			(F)	
+DL_POSTAMBLE				
?OTHERWISE			(F)	
+DL80_UNEXPECTED				
GOTO L800				
?OTHERWISE				
+DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.3.4 Ai is a valid value (64-126) but not equal to TEI under test. Allow for RR due to expiry of the IUT's T200.				

4 Abstract Test Suite - Part I

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM80_N01 Identifier:DM80_N01 Purpose:Verify that the IUT does not respond to an ID_Check_Request with an invalid management identifier in Timer Recovery state (8.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE				
(S_N:=63,T_N:=127,ME_ID::				
#='11110000'B,MSG_TYPE:='00000100'B)				
#				
#				
!UI_Mgmt		Invalid_Mgmt		Assign the
#		(S_N,T_N,		invalid
#		ME_ID,0,		Management
#		MSG_TYPE,		Identifier
#		TEI_N)		
START T200 (T200value - DELTA)				
?TIMEOUT T200 START T200	L800			
?RR		RR1_UC(V_R)	(P)	P=1, IUT's T200 expire d
+DL80_VERIFICATION				
+DL_POSTAMBLE				
?TIMEOUT T200			(F)	
+DL_POSTAMBLE				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
+DL80_UNEXPECTED				
GOTO L800				
?OTHERWISE				
+DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.3.2.3 Allow for RR poll due to expiry of the IUT's T200.				

4 Abstract Test Suite - Part I

0658

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MGMT/DH80_N03 Identifier:DH80_N03 Purpose:Verify that the IUT does not respond to an ID_Check_Request with an invalid TEI Address(126) in Timer Recovery state (8,0)					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
# # # # # # # # # #	+DL80_PREAMBLE (S_N:=63,T_N:=126,M_E_ID:= '00001111'B,MSG_TYPE:'00000100'B) !UI_Mgmt		Invalid_Mgmt (S_N,T_N, M_E_ID,0, MSG_TYPE, TEI_N)		Assign the invalid TEI Address
# #	START T200 ('T200value - DELTA') ?TIMEOUT T200 START T200 ?RR	L800	RRI_UC(V_R)	(P)	P=1, IUT's T200 expire d
	+DL80_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE			(F) (F) (F)	

Extended Comments:Q.921 Ref. 5.3.2.3
Allow for RR poll due to expiry of the IUT's T200.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM84_V11 Identifier:DM84_V11 Purpose:Verify that an IUT supporting automatic TEI assignment, enters TEI Unassigned state, and either sends an ID-Request or sends nothing, in response to an ID-Remove (AI=IUT's TEI value) received in Timer Recovery state (8.4). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO] +DL84_PREAMBLE !UI_Mgmt #		ID_Rmv (TEI_No)		
START Td ?UI_Mgmt +DL_POSTAMBLE ?RR GOTO L840 +DL84_UNEXPECTED GOTO L840 ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT (TEI_AUTO)] #	L840	ID_Req RR1_UC (V_R)	(P) (P) (F) I	Test not run
Extended Comments:Q.921 Ref. 5.3.4 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO)				

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Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DMS4_V13				
Identifier: DMS4_V13				
Purpose: Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA(F=1) in Timer Recovery state (8.4). The IUT is expected to remain in Timer Recovery state (8.4) or, when TEI is removed, enter TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLOUA_ID_VER OR TEI_AUTO] +DL84_PREAMBLE !UA		UAL_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td [UNSOLOUA_ID_VER] ?RR				
GOTO L840	L840	RR1_UC(V_R)		IUT T200 has expired
?UI_Mgmt		ID_Ver	(P)	Receive ID_Verify
+DL84_ID_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840			(F)	
?OTHERWISE			(F)	No response
?TIMEOUT Td +DL_POSTAMBLE +DL_POSTAMBLE [(NOT(UNSOLOUA_ID_VER)) AND (TEI_AUTO)]			(P)	
?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?RR	L841	RR1_UC(V_R)		IUT T200 has expired
GOTO L841 +DL84_UNEXPECTED GOTO L841 ?UI_Mgmt		ID_Req	(P)	IUT has

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT(UNSOLOUA_ID_VER OR TEI_AUTO)]			(F)	removed TEI and request ing ID
#			I	Test not run
Extended Comments: Q.921 Ref. 5.8.2 Conditional Execution - The test execution path which the IUT will take is based on whether 1) The IUT is an automatic TEI device. 2) The IUT responds to an unsolicited UA with ID_Verify procedures. If the IUT does send the ID_Verify, this test will respond with the ID_Check_Request management frame (in the -ID_VERIFICATION) to ensure that the IUT does not resend the ID_Verify. 3) The IUT is a non-automatic TEI device and does not implement ID_Verify_Response to UA.				

Test Case Dynamic Behaviour				
Reference: LAPD/MGMT/DM84_V14				
Identifier: DM84_V14				
Purpose: Verify that the IUT sends an ID_Verify or removes TEI in response to an unsolicited UA(F=0) in Timer Recovery state (8.4). The IUT is expected to remain in Timer Recovery state (8.4) or, when TEI is removed, enter TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNSOLUA_ID_VER OR TEI_AUTO] +DL84_PREAMBLE !UA		UAQ_NR		Send an unsolicited UA to initiate ID_Verify procedures
START Td [UNSOLUA_ID_VER] ?RR	L840	RRI_UC(V_R)		IUT T200 has expired
GOTO L840 ?UI_Mgmt		ID_Ver	(P)	Receive ID_Verify
+DL84_ID_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [(NOT(UNSOLUA_ID_VER)) AND (TEI_AUTO)]			(F)	No response
?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?RR	L841	RRI_UC(V_R)	(P)	IUT T200 has expired
GOTO L841 +DL84_UNEXPECTED GOTO L841 ?UI_Mgmt		ID_Req	(P)	IUT has

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT(UNSOLUA_ID_VER OR TEI_AUTO)]			(F)	removed TEI and requesting ID
#			I	Test not run
Extended Comments: Q.921 Ref. 5.8.2 Conditional Execution - The test execution path which the IUT will take is based on whether 1) The IUT is an automatic TEI device. 2) The IUT responds to an unsolicited UA with ID_Verify procedures. If the IUT does send the ID_Verify, this test will respond with the ID_Check_Request management frame (in the ID_VERIFICATION) to ensure that the IUT does not resend the ID_Verify. 3) The IUT is a non-automatic TEI device and does not implement ID_Verify_Response to UA.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MGMT/DM84_V15				
Identifier:DM84_V15				
Purpose:Verify that an IUT supporting automatic TEI assignment, enters TEI Unassigned state (1.0), and either sends an ID Request or sends nothing, in response to an ID-Remove (Ai=127) received in Timer Recovery state (8.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO] +DL84_PREAMBLE !UI_Mgmt START Td ?UI_Mgmt +DL_POSTAMBLE ?RR GOTO L840 +DL84_UNEXPECTED GOTO L840 ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE [NOT(TEI_AUTO)]	L840	ID_Rmv(127) ID_Req RR1_UC(V_R)	(F) (F) (F)	 I Test not run
#				
Extended Comments:Q.921 Ref. 5.3.4 Conditional execution - This test is executed only if the IUT is an Automatic TEI (TEI_AUTO)				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S10/DL10_101				
Identifier: DL10_101				
Purpose: Verify that the IUT ignores a UA/F=1 received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE				
!UA				
START Td				
?TIMEOUT Td	L100	UAL_NR	(P)	P=1 No response rcvd.
#				
+DL10_VERIFICATION				
+DL_POSTAMBLE				
+DL10_UNEXPECTED				
GOTO L100				
?OTHERWISE				
+DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.3.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S10/DL10_I02				
Identifier:DL10_I02				
Purpose:Verify that the IUT ignores a DM/F=1 received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE !DM START Td ?TIMEOUT Td # +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	DM1_NR	(P)	F=1 No response rcvd.
Extended Comments:Q.921 Ref. 5.3.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S10/DL10_I10				
Identifier:DL10_I10				
Purpose:Verify that the IUT ignores a REJ/F=1 received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE !REJ START Td ?TIMEOUT Td # +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	REJ1_NR(0)	(P)	F=1 No response rcvd.
Extended Comments:Q.921 Ref. 5.3.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S10/DL10_I13				
Identifier:DL10_I13				
Purpose:Verify that the IUT ignores a RNR/F=1 received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE !RNR START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	RNR1_NR(0)	(P)	F=1 No response rcvd.
#			(F)	
Extended Comments:Q.921 Ref. 5.3.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S20/DL20_I01				
Identifier:DL20_I01				
Purpose:Verify that the IUT does not respond to a SABME/P=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !SABME START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	SABME1_NC	(P)	P=1 no response
			(F)	
Extended Comments:Q.921 Ref. Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S20/DL20_I02				
Identifier:DL20_I02				
Purpose:Verify that the IUT does not respond to a DISC/P=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !DISC START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	DISC1_NC	(P)	P=1 no response
Extended Comments:Q.921 Ref. Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S20/DL20_I03				
Identifier:DL20_I03				
Purpose:Verify that the IUT does not respond to a DM/F=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !DM START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	DM1_NR	(P)	F=1 no response
Extended Comments:Q.921 Ref. Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S20/DL20_104				
Identifier:DL20_104				
Purpose:Verify that the IUT does not respond to a UA/F=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UA START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	UA1_NR	(F)	F=1 no response
Extended Comments:Q.921 Ref.				
Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S20/DL20_105				
Identifier:DL20_105				
Purpose:Verify that the IUT does not respond to a RR/P=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !RR START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	RR1_NC(0)	(F)	F=1 no response
Extended Comments:Q.921 Ref.				
Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S20/DL20_I07 Identifier:DL20_I07 Purpose:Verify that the IUT does not respond to a REJ/P=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !REJ START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	REJ1_NC(0)	(P)	P=1 no response
Extended Comments:Q.921 Ref. Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S20/DL20_I11 Identifier:DL20_I11 Purpose:Verify that the IUT does not respond to a RNR/P=1 in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !RNR START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	RNR1_NC(0)	(P)	P=1 no response
Extended Comments:Q.921 Ref. Test cases in Awaiting Establishment state (2.0) are only executed for automatic TEI devices.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_V01				
Identifier:DL40_V01				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in TEI Assigned state (4.0). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [(NOT (IDLE_STATE4))] +DL40_PREAMBLE <IUT! SABME> # # Start Topr ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE </pre>	L400	SABME1_UC	(P)	Initiate Link Establishment Request P=1
Extended Comments:Q.921 Ref. 5.5.1.2 Conditional Execution - IUT must be able to send SABME on command.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_V04				
Identifier:DL40_V04				
Purpose:Verify that the IUT sends either an UA/F=1 or a DM/F=1 in response a SABME/P=1 received in TEI Assigned state (4.0). The IUT is expected to be either in Multiple Frame Established state (7.0) or TEI Assigned state (4.0) after sending the response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> +DL40_PREAMBLE !SABME START T200 ?UA +DL70_VERIFICATION +DL_POSTAMBLE ?DM +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE </pre>	L400	SABME1_NC UA1_UR DM1_UR	 (P) (P) (F) (F)	P=1 F=1 F=1
Extended Comments:Q.921 Ref. 5.5.1.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_V06				
Identifier:DL40_V06				
Purpose:Verify that the IUT sends either an UA/F=0 or a DM/F=0 in response a SABME/P=0 received in TEI Assigned state (4.0). The IUT is expected to be either in Multiple Frame Established state (7.0) or TEI Assigned state (4.0) after sending the response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !SABME START T200 ?UA +DL70_VERIFICATION +DL_POSTAMBLE ?DM +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L400	SABME0_NC UA0_UR DM0_UR	(P) (P) (P)	P=0 F=0 F=0
Extended Comments:Q.921 Ref. 5.5.1.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_V08				
Identifier:DL40_V08				
Purpose:Verify that the IUT sends a DM/F=1 in response to a DISC/P=1 received in TEI Assigned state (4.0). The IUT is expected to be in TEI Assigned state (4.0) after sending DM/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !DISC START T200 ?DM +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L400	DISC1_NC DM1_UR	(P)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_V09 Identifier:DL40_V09 Purpose:Verify that the IUT sends a DM/F=0 in response to a DISC/P=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0) after sending DM/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !DISC START T200 ?DM +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L400	DISC0_NC DM0_UR	(P) (F) (F) (F)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_V10 Identifier:DL40_V10 Purpose:Verify that the IUT ignores a DM/F=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !DM START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	DM1_NR	(P) (F)	F=1 No response rcvd.
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_V11				
Identifier:DL40_V11				
Purpose:Verify that the IUT sends either a SABME/P=1 or no direct response to a DM/F=0 received in TEI Assigned state (4.0). The IUT is expected to be either in Awaiting Establishment state (5.0) or TEI Assigned state (4.0) after response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !DM START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?TIMEOUT Td #	L400	DM0_NR SABME1_UC	(P) (P) (F)	F=0 P=1 No response rcvd.
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I01				
Identifier:DL40_I01				
Purpose:Verify that the IUT sends no direct response to a FRMR/F=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !FRMR_UA START Td ?TIMEOUT Td #	L400	FRMR_UA1_NR	(P) (F)	No response rcvd.
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Tvst Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I02				
Identifier:DL40_I02				
Purpose:Verify that the IUT sends no direct response to a FRMR/F=1 (rejecting a DM) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !FRMR_DM START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	FRMR_DM1_NR	(F)	No response rcvd.
Extended Comments:O.921 Ref. 5.5.4.				

LAPD Conformance Testing

Tvst Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I03				
Identifier:DL40_I03				
Purpose:Verify that the IUT sends no direct response to a RR/P=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !RR START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	RR1_NC(0)	(P)	P=1 No response rcvd.
Extended Comments:O.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I04 Identifier:DL40_I04 Purpose:Verify that the IUT sends no direct response to a RR/P=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !RR START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	RR0_NC(0)	(P)	P=0 No response rcvd.
Extended Comments:Q.921 Ref. 5.5.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I05 Identifier:DL40_I05 Purpose:Verify that the IUT sends no direct response to a RR/F=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !RR START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	RR1_NR(0)	(P)	F=1 No response rcvd.
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/SA0/DL40_106				
Identifier: DL40_106				
Purpose: Verify that the IUT sends no direct response to a RR/F=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !RR START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	RR0_NR(0)	(P)	F 0 No response rcvd.
Extended Comments: Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/SA0/DL40_107				
Identifier: DL40_107				
Purpose: Verify that the IUT sends no direct response to a REJ/P=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !REJ START T200 ?TIMEOUT T200 # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	REJ1_NC(0)	(P)	P-1 No response rcvd.
Extended Comments: Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I08 Identifier:DL40_I08 Purpose:Verify that the IUT sends no direct response to a REJ/P=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !REJ START Td ?TIMEOUT Td #	L400	REJ0_NC(0)	(P)	P=0 No response rcvd.
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I09 Identifier:DL40_I09 Purpose:Verify that the IUT sends no direct response to a REJ/F=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !REJ START Td ?TIMEOUT Td #	L400	REJ1_NR(0)	(P)	F=1 No response rcvd.
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I10 Identifier:DL40_I10 Purpose:Verify that the IUT sends no direct response to a REJ/F=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !REJ START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	REJ0_NR(0)	(P)	F=0 No response rcvd.
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I11 Identifier:DL40_I11 Purpose:Verify that the IUT sends no direct response to a RNR/P=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !RNR START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	RNR1_NC(0)	(P)	P=1 No response rcvd.
Extended Comments:				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I12 Identifier:DL40_I12 Purpose:Verify that the IUT sends no direct response to a RNR/P=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !RNR START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	RNR0_NC(0)	(P) (F)	P=0 No response rcvd.
Extended Comments:				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I13 Identifier:DL40_I13 Purpose:Verify that the IUT sends no direct response to a RNR/F=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !RNR START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	RNR1_NR(0)	(P) (F)	F=1 No response rcvd.
Extended Comments:				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I14				
Identifier:DL40_I14				
Purpose:Verify that the IUT sends no direct response to a RNR/F=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !RNR START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	RNR0_NR(0)	(P)	F=0 No response rcvd.
Extended Comments:				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I16				
Identifier:DL40_I16				
Purpose:Verify that the IUT sends no direct response to an I_frame with P=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !I START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	I1_NC(0,0)	(P)	P=1 No response rcvd.
Extended Comments:				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_I17 Identifier:DL40_I17 Purpose:Verify that the IUT sends no direct response to an I_frame with P=0 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE ! I START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	I0_NC(0,0)	(P)	P=0 No response rcvd.
Extended Comments:				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_N01 Identifier:DL40_N01 Purpose:Verify that the IUT sends no direct response to a SABME/P=1, with excess length, received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE ! SABME_TL START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	SABME_TL1_NC	(P)	P=1 No response rcvd.
Extended Comments:				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S40/DL40_N02				
Identifier: DL40_N02				
Purpose: Verify that the IUT sends no direct response to a DISC command/P=1, with excess length, received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !DISC_TL START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	DISC_TL1_NC	(P)	P=1 No response rcvd.
Extended Comments:				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S40/DL40_N03				
Identifier: DL40_N03				
Purpose: Verify that the IUT sends no direct response to a UA response/F=0, with excess length, received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !UA_TL START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	UA_TL0_NR	(P)	F=0 No response rcvd.
Extended Comments:				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_N04				
Identifier:DL40_N04				
Purpose:Verify that the IUT sends no direct response to a DM /F=0, with excess length, received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !DM_TL START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	DM_TL0_NR	(P)	F=0 No response rcvd.
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_N05				
Identifier:DL40_N05				
Purpose:Verify that the IUT sends no direct response to a FRMR response/F=0, with excess length, received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !FRMR_TL START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	FRMR_TL0_NR	(P)	F=0 No response rcvd.
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_N06 Identifier:DL40_N06 Purpose:Verify that the IUT sends no direct response to a RR command/P=1, with excess length, received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !RR_TL START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	RR_TL1_NC(0)	(P)	P=1 No response rcvd.
#			(F)	
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_N07 Identifier:DL40_N07 Purpose:Verify that the IUT sends no direct response to a RNR command/P=1, with excess length, received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !RNR_TL START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	RNR_TL1_NC(0)	(P)	P=1 No response rcvd.
#			(F)	
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_N08 Identifier:DL40_N08 Purpose:Verify that the IUT sends no direct response to a REJ command/P=1, with excess length, received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !I_TL START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	REJ_TL1_NC(0)	(P)	P=1 No response rcvd.
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S40/DL40_N09 Identifier:DL40_N09 Purpose:Verify that the IUT sends no direct response to an I-frame received in TEI Assigned state (4.0) with an information field exceeding N201 octets . The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !I_TL START Td ?TIMEOUT Td # +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	I_TL1_NC(0,0)	(P)	N201 error No response rcvd.
Extended Comments:Q.921 Ref. 5.5.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_V04 Identifier:DL50_V04 Purpose:Verify that the IUT sends a UA/F=1 in response to SABME/P=1 in the Waiting Establishment state (5.0). The IUT is expected to remain in the Waiting Establishment state (5.0) after sending the correct response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !SABME START T200 ?UA +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L500	SABME_NC UA_UR	(F) (F)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.1.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S50/DL50_V06 Identifier:DL50_V06 Purpose:Verify that the IUT sends a DM/F=1 in response to DISC/P=1 in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0) after sending the correct response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !DISC START T200 ?DM +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L500	DISC1_NC DM1_UR	(P) (F) (F)	P=1 P=1

Extended Comments:O. 921 Ref. 5.5.3.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_V07				
Identifier:DL50_V07				
Purpose:Verify that the IUT sends a DM/F=0 in response to DISC/P=0 in the Waiting Establishment state (5.0). The IUT is expected to remain in the Waiting Establishment state (5.0) after sending the correct response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !DISC START T200 ?DM +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L500	DISCO_NC DMO_UR	(P) (F)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_V08				
Identifier:DL50_V08				
Purpose:Verify that the IUT does not send a response to UA/F=1 received in the Waiting Establishment state (5.0). The IUT is expected to enter Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !UA START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500	UA1_NR	(F)	F=1
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_Vll				
Identifier:DL50_Vll				
Purpose:Verify that the IUT ignores the receipt of an unsolicited DM/F=0 response received in the Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE				
!DM				F=0
START T200				
?TIMEOUT T200		DMO_NR	(P)	
START Td				
?SABME				P=1
+DL50_VERIFICATION				
+DL_POSTAMBLE				
+DL50_UNEXPECTED				
GOTO L500	L500	SABMEL_UC	(P)	
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT Td			(I)	
+DL_POSTAMBLE				
?SABME		SABMEL_UC	(I)	Allow retransmission
#				
+DL_POSTAMBLE				
?OTHERWISE				
+DL_POSTAMBLE			(F)	

Extended Comments:Q.921 Ref. 5.5.6

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S50/DL50_V12 Identifier: DL50_V12 Purpose: Verify that after the expiry of timer T200, with N200 not exceeding the limit, the IUT sends a SABME/P=1 in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE START Td ?SABME +DL50_VERIFICATION +DL_POSTAMBLE GOTO L500 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L500	SABME_UC	(P)	P=1 RC=1
Extended Comments: Q.921 Ref. 5.5.1.3				

4 Abstract Test Suite - Part I

0719

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S50/DL50_N01 Identifier: DL50_N01 Purpose: Verify that the IUT does not send a response to a SABME/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL50_PREAMBLE !SABME_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	SABME_TL_NC		P=1
# # +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L501	SABME_UC	(P)	P=1, IUT's T200 expired
#			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

4 Abstract Test Suite - Part I

0720

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_N02				
Identifier:DL50_N02				
Purpose:Verify that the IUT does not send a response to a DISC/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL50_PREAMBLE !DISC_TL START T200 (?T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	DISC_TL1_NC		P=1
#				
#				
+DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L501	SABME1_UC	(P)	P=1 IUT's T200 expired
#				
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the FIXIT. Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_N03				
Identifier:DL50_N03				
Purpose:Verify that the IUT does not send a response to a UA/F=0 with incorrect length (too long) received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL50_PREAMBLE !UA_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	UA_TL0_NR		F=0
#				
#				
+DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L501	SABME1_UC	(P)	P=1 IUT's T200 expired
#				
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the FIXIT. Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/HFO/S50/DL50_N04 Identifier: DL50_N04 Purpose: Verify that the IUT does not send a response to a DM/F=0 with incorrect length (too long) received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre>[NOT (ACT_ON_MDL_ERROR)] +DL50_PREAMBLE !DM_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]</pre>	L500	DM_TL0_NR		F=0
	L501	SABME_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

4 Abstract Test Suite - Part I

0723

Test Case Dynamic Behaviour				
Reference: LAPD/HFO/S50/DL50_N05 Identifier: DL50_N05 Purpose: Verify that the IUT does not send a response to a FRMR/F=0 with incorrect length (too long) received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre>[NOT (ACT_ON_MDL_ERROR)] +DL50_PREAMBLE !FRMR_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]</pre>	L500	FRMR_TL0_NR		F=0
	L501	SABME_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

4 Abstract Test Suite - Part I

0724

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_N06 Identifier:DL50_N06 Purpose:Verify that the IUT does not send a response to an RR/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT (ACT_ON_MDL_ERROR)] +DL50_PREAMBLE !RR_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	RR_TL1_NC(0)		P=1
# # +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L501	SABME1_UC	(P)	P=1 IUT's T200 expired
#			(F)	
#			(F)	
#			(F)	
#			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_N07 Identifier:DL50_N07 Purpose:Verify that the IUT does not send a response to a RNR/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT (ACT_ON_MDL_ERROR)] +DL50_PREAMBLE !RNR_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	RNR_TL1_NC(0)		P=1
# # +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L501	SABME1_UC	(P)	P=1 IUT's T200 expired
#			(F)	
#			(F)	
#			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S50/DL50 N08 Identifier: DL50 N08 Purpose: Verify that the IUT does not send a response to a REJ/P-1 with incorrect length (too long) received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT (ACT_ON_MDL_ERROR)] +DL50_PREAMBLE ! I_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	REJ_TL1_NC(0)	P-1	P-1
+DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L501	SABME1_UC	(P)	P-1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

4 Abstract Test Suite - Part I

0727

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S50/DL50 N09 Identifier: DL50 N09 Purpose: Verify that the IUT does not send a response to an I/P-1 exceeding N201 octets received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT (ACT_ON_MDL_ERROR)] +DL50_PREAMBLE ! I_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	I_TL1_NC(0,0)	P-1	P-1
+DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L501	SABME1_UC	(P)	P-1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

4 Abstract Test Suite - Part I

0728

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S50/DL50_N10 Identifier:DL50_N10 Purpose:Verify that the IUT does not send a response to a frame with undefined control field received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT (ACT_ON_MDL_ERROR)] +DL50_PREAMBLE !UNDEF		UNDEF1_NC		Undefined control field encoding
START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SAEME	L500			
+DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L501	SABME1_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run
#				
#				
#				
#				
#				
#				
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour					
Reference:LAPD/WFO/S50/DL50_I01 Identifier:DL50_I01 Purpose:Verify that the IUT does not send a response to a FRMR/F=1 (rejecting a SABME) in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL50_PREAMBLE !FRMR_SA START Td ?TIMEOUT Td +DL50_VERIFICATION +DL_POSTAMBLE ?SABME GOTO L500 +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500	FRMR_SAI_NR SABMEL_UC	(P) (F)		
Extended Comments:Q.921 Ref. 3.6.11					

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S50/DL50_102 Identifier: DL50_102 Purpose: Verify that the IUT does not send a response to a FRMR/F=1 response in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !FRMR_UA START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L500	FRMR_UA1_NR		
* * +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L501	SABME1_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.6 Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S50/DL50_103 Identifier: DL50_103 Purpose: Verify that the IUT does not send a response to a FRMR/F=1 (rejecting a DM) in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !FRMR_DM START T1 ?TIMEOUT T1 +DL50_VERIFICATION +DL_POSTAMBLE ?SABME GOTO L500 +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500	FRMR_DM1_NR	(P)	
		SABME1_UC	(F)	
Extended Comments: Q.921 Ref. 3.6.11				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_I04				
Identifier:DL50_I04				
Purpose:Verify that the IUT does not send a response to a FRMR/F=1 (rejecting an I frame) in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !FRMR_I START Td ?TIMEOUT Td +DL50_VERIFICATION +DL_POSTAMBLE ?SABME GOTO L500 +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500	FRMR_I1_NR SABME1_UC	(P) (F)	
Extended Comments:Q.921 Ref. 3.6.11				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_I05				
Identifier:DL50_I05				
Purpose:Verify that the IUT does not send a response to a FRMR/F=1 (rejecting a Supervisory frame) in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !FRMR_SUP START Td ?TIMEOUT Td +DL50_VERIFICATION +DL_POSTAMBLE ?SABME GOTO L500 +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500	FRMR_SUP1_NR SABME1_UC	(P) (F)	
Extended Comments:Q.921 Ref. 3.6.11				

APD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/HFO/S50/DL50_I09 Identifier: DL50_I09 Purpose: Verify that the IUT does not send a response to an RR/P=0 command in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !RR START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500	RR0_UC(0)		P=0
	L501	SABME_UC	(P)	P=1
			(F)	
			(F)	
			(F)	

Extended Comments: Q.921 Ref. 5.8.7
 Allow for SABME due to expiry of the IUT's T200.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_I10				
Identifier:DL50_I10				
Purpose:Verify that the IUT does not send a response to an RR/F=1 response in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !RR START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500 L501	RR1_NR(0) SABME1_UC	 (F) (F) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_I11				
Identifier:DL50_I11				
Purpose:Verify that the IUT does not send a response to an RR/F=0 response in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !RR START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500 L501	RR0_NR(0) SABME1_UC	 (P) (F) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/SSO/DL50_I12 Identifier: DL50_I12 Purpose: Verify that the IUT does not send a response to an REJ/P=1 command in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !REJ START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500 L501	REJ1_NC(0) SABME1_UC	 (P) (F) (F) (F)	P=1 P=1
Extended Comments: Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/SSO/DL50_I13 Identifier: DL50_I13 Purpose: Verify that the IUT does not send a response to an REJ/P=0 command in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !REJ START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500 L501	REJ0_NC(0) SABME1_UC	 (P) (F) (F) (F)	P=0 P=1
Extended Comments: Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_I14				
Identifier:DL50_I14				
Purpose:Verify that the IUT does not send a response to an REJ/F=1 response in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !REJ START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500 L501	REJ1_NR(0) SABME1_UC	 (P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_I15				
Identifier:DL50_I15				
Purpose:Verify that the IUT does not send a response to an REJ/F=0 response in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !REJ START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500 L501	REJ0_NR(0) SABME1_UC	 (P)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S50/DL50_I16				
Identifier: DL50_I16				
Purpose: Verify that the IUT does not send a response to an RNR/P=1 command in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE				
!RNR				
START T200 (T200value - DELTA)		RNR1_NC(0)		P=1
?TIMEOUT T200	L500			
START T200				
?SABME				
+DL50_VERIFICATION				
+DL_POSTAMBLE				
+DL50_UNEXPECTED				
GOTO L501				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
+DL50_UNEXPECTED				
GOTO L500				
?OTHERWISE				
+DL_POSTAMBLE				(F)
Extended Comments: Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S50/DL50_I17				
Identifier: DL50_I17				
Purpose: Verify that the IUT does not send a response to an RNR/P=0 command in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE				
!RNR				
START T200 (T200value - DELTA)		RNR0_NC(0)		P=0
?TIMEOUT T200	L500			
START T200				
?SABME				
+DL50_VERIFICATION				
+DL_POSTAMBLE				
+DL50_UNEXPECTED				
GOTO L501				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
+DL50_UNEXPECTED				
GOTO L500				
?OTHERWISE				
+DL_POSTAMBLE				(F)
Extended Comments: Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_I18				
Identifier:DL50_I18				
Purpose:Verify that the IUT does not send a response to an RNR/F=1 response in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !RNR START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500 L501	RNR1_NR(0) SABME1_UC	 (P) (F) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_I19				
Identifier:DL50_I19				
Purpose:Verify that the IUT does not send a response to an RNR/F=0 response in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !RNR START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500 L501	RNR0_NR(0) SABME1_UC	 (P) (F) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_I20				
Identifier:DL50_I20				
Purpose:Verify that the IUT does not send a response to an I/P=1 command in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !I START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500 L501	I1_NC(0,0) SABME1_UC	 (P)	P=1 P=1
Extended Comments:Q.921 Ref. 5.8.4 Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S50/DL50_I21				
Identifier:DL50_I21				
Purpose:Verify that the IUT does not send a response to an I/P=0 command in the Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !I START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500 L501	I0_NC(0,0) SABME1_UC	 (P)	P=0 P=1
Extended Comments:Q.921 Ref. 5.5.4 Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S51/DL51_V06 Identifier:DL51_V06 Purpose:Verify that the IUT sends a UA/F=1 in response to SABME/P=1 in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1) after sending the correct response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !SABME START T200 ?UA +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L510	SABME1_NC UA1_UR	(P)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.1.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S51/DL51_V07 Identifier:DL51_V07 Purpose:Verify that the IUT sends a UA/F=0 in response to SABME/P=0 in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1) after sending the correct response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !SABME START T200 ?UA +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L510	SABME0_NC UA0_UR	(P)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.1.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S51/DL51_V08 Identifier: DL51_V08 Purpose: Verify that the IUT sends a DM/F=1 in response to DISC/P=1 in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1) after sending the correct response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !DISC START T200 ?DM +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L510	DISC1_NC DM1_UR	(P)	P=1 F=1
Extended Comments: 0.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S51/DL51_V09 Identifier: DL51_V09 Purpose: Verify that the IUT sends a DM/F=0 in response to DISC/P=0 in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1) after sending the correct response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !DISC START T200 ?DM +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L510	DISC0_NC DM0_UR	(P)	P=0 F=0
Extended Comments: 0.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S51/DL51_V13				
Identifier: DL51_V13				
Purpose: Verify that the IUT does not send a response to the receipt of an unsolicited DM/F=0 response frame in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !DM START T200 ?TIMEOUT T200 START TD ?SABME +DL50_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT TD +DL_POSTAMBLE ?SABME +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE	L500	DM0_NR SABME1_UC SABME1_UC	(P) (P) (F) (I) (I) (F)	F=0 P=1 Allow retransmission
#				
Extended Comments: Q.921 Ref. 5.5.6				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S51/DL51_V14				
Identifier: DL51_V14				
Purpose: Verify that after the expiry of timer T200, with N200 not exceeding the limit, the IUT sends a SABME/P=1 in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE START TD ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT TD +DL_POSTAMBLE	L510	SABME1_UC	(F) (F) (F)	P=1 RC=1
Extended Comments: Q.921 Ref. 5.5.1.3				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S51/DL51_N01 Identifier:DL51_N01 Purpose:Verify that the IUT does not send a response to a SABME/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL51_PREAMBLE !SABME_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L510	SABME_TL1_NC		P=1
# # +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L511	SABME1_UC	(F)	P=1 IUT's T200 expired
#			(F)	
#			(F)	
#			(F)	
#			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S51/DL51_N02 Identifier:DL51_N02 Purpose:Verify that the IUT does not send a response to a DISC/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL51_PREAMBLE !DISC_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L510	DISC_TL1_NC		P=1
# # +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L511	SABME1_UC	(P)	P=1 IUT's T200 expired
#			(F)	
#			(F)	
#			(F)	
#			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S51/DL51_N03				
Identifier:DL51_N03				
Purpose:Verify that the IUT does not send a response to a UA/F=0 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL51_PREAMBLE !UA_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L510	UA_TL0_NR		F=0
#				
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L511	SABME1_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments:0.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S51/DL51_N04				
Identifier:DL51_N04				
Purpose:Verify that the IUT does not send a response to a DM/F=0 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL51_PREAMBLE !DM_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L510	DM_TL0_NR		F=0
#				
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L511	SABME1_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments:0.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/551/DL51_N05				
Identifier:DL51_N05				
Purpose:Verify that the IUT does not send a response to an FRMR/F=0 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL51_PREAMBLE !FRMR_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L510	FRMR_TL0_NR		F=0
#	L511	SABME_UC	(P)	P=1 IUT's T200 expired
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]			(F) (F) (F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/551/DL51_N06				
Identifier:DL51_N06				
Purpose:Verify that the IUT does not send a response to an RR/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL51_PREAMBLE !RR_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L510	RR_TL1_NC(0)		P=1
#	L511	SABME_UC	(P)	P=1 IUT's T200 expired
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]			(F) (F) (F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S51/DL51 N07 Identifier: DL51 N07 Purpose: Verify that the IUT does not send a response to an RNR/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL51_PREAMBLE !RNR_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L510	RNR_TL_NC(0)		P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L511	SABME1_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour

Reference: LAPD/MFO/S51/DL51 N08 Identifier: DL51 N08 Purpose: Verify that the IUT does not send a response to a REJ/P=1 with incorrect length (too long) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL51_PREAMBLE !REJ_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L510	REJ_TL_NC(0)		P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L511	SABME1_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S51/DL51_N09 Identifier:DL51_N09 Purpose:Verify that the IUT does not send a response to an I/P=1 with incorrect length (too long) (exceeding N201 octets) received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL51_PREAMBLE !I_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L510	I_TL1_NC(0,0)	P=1	
#	L511	SABME1_UC	(F)	P=1 IUT's T200 expired
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]			(F)	
#			(F)	
#			(F)	
#			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUIT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S51/DL51_N10 Identifier:DL51_N10 Purpose:Verify that the IUT does not send a response to a frame with undefined control field received in Awaiting Establishment state (5.1). The IUT is expected to remain in Awaiting Establishment state (5.1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL51_PREAMBLE !UNDEF		UNDEF1_NC		Undefined control field encoding
#				
#				
#				
START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME	L510			
#	L511	SABME1_UC	(P)	P=1 IUT's T200 expired
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]			(F)	
#			(F)	
#			(F)	
#			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S51/DL51_I02				
Identifier: DL51_I02				
Purpose: Verify that the IUT does not send a response to a FRMR/F=1 response in the Awaiting Establishment State. The IUT is expected to remain in the Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !FRMR_UA START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE	L510 L511	FRMR_UA1_NR	 (P)	F=1 P=1
Extended Comments: Q.921 Ref. 5.8.6 Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S51/DL51_I08				
Identifier: DL51_I08				
Purpose: Verify that the IUT does not send a response to a RR/P=1 command in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !RR START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL50_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE	L510 L511	RR1_NC(0) SABME1_UC	 (P)	P=1 P=1
Extended Comments: Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S51/DL51_I12 Identifier: DL51_I12 Purpose: Verify that the IUT does not send a response to a REJ/P=1 command in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !REJ START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE	 L510 L511	REJ1_NC(0) SABME1_UC	 (P) (F) (F) (F)	P=1 P=1

Extended Comments: Q.921 Ref. 5.8.7

Allow for SABME due to expiry of the IUT's T200.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S51/DL51_I13				
Identifier:DL51_I13				
Purpose:Verify that the IUT does not send a response to a REJ/P=0 command in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !REJ START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE	L510 L511	REJ0_NC(0) SABME1_UC	 (P) P=1 (F) (F) (F)	P=0
Extended Comments:Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S51/DL51_I14				
Identifier:DL51_I14				
Purpose:Verify that the IUT does not send a response to a REJ/F=1 response in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !REJ START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE	L510 L511	REJ1_NR(0) SABME1_UC	 (P) P=1 (F) (F) (F)	F=1
Extended Comments:Q.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

1. APD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S51/DL51_I16 Identifier: DL51_I16 Purpose: Verify that the IUT does not send a response to a RNR/P=1 command in the Waiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !RNR START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE	L510	RNR1_NC(0)		P=1
	L511	SABME1_UC	(P)	(F)
			(F)	(F)
			(F)	(F)

Extended Comments: 0.921 Ref. 5.8.7
 Allow for SABME due to expiry of the IUT's T200.

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S51/DL51_I19				
Identifier: DL51_I19				
Purpose: Verify that the IUT does not send a response to a RNR/F=0 response in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !RNR START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE	L510 L511	RNR0_NR(0) SABME1_UC	 (P)	F=0 P=1
Extended Comments: 0.921 Ref. 5.8.7 Allow for SABME due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S51/DL51_I20				
Identifier: DL51_I20				
Purpose: Verify that the IUT does not send a response to a I/P=1 command in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !I START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE	L510 L511	I1_NC(0,0) SABME1_UC	 (P)	P=1 P=1
Extended Comments: 0.921 Ref. 5.5.4 Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S51/DL51_I21 Identifier:DL51_I21 Purpose:Verify that the IUT does not send a response to a I/P=0 command in the Awaiting Establishment state (5.1). The IUT is expected to remain in the Awaiting Establishment state (5.1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL51_PREAMBLE !I START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L511 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE	L510 L511	IO_NC(0,0) SABME_UC	 (P)	P=0 P=1
Extended Comments:Q.921 Ref. 5.5.4 Allow for SABME due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_V04 Identifier:DL60_V04 Purpose:Verify that the IUT sends a DM/F=1 in response to SABME/P=1 in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0) after sending the correct response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !SABME START T200 ?DM +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L600	SABME_NC DM1_UR	 (P)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.1.2				

Test Case Dynamic behaviour				
Reference: LAPD/NFO/S60/DL60_V06				
Identifier: DL60_V06				
Purpose: Verify that the IUT sends a UA/P=1 in response to DISC/P=1 in the Waiting Release state (6.0). The IUT is expected to remain in the Waiting Release state (6.0) after sending the correct response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE				
!DISC		DISC_NC		P=1
START T200				
7UA	L600	UA_UR	(P)	P=1
+DL60_VERIFICATION				
+DL_POSTABLE				
+DL60_UNEXPECTED				
GOTO L600				
7OTHERWISE				
+DL_POSTABLE				(F)
7TIMEOUT T200				
+DL_POSTABLE				(F)

Extended Comments: Q.921 Ref. 5.5.5.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_V07 Identifier:DL60_V07 Purpose:Verify that the IUT sends a UA/F=0 in response to DISC/P=0 in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0) after sending the correct response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !DISC START T200 ?UA +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L600	DISC0_NC UA0_UR	(P) (F) (F)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.5.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_V08 Identifier:DL60_V08 Purpose:Verify that the IUT enters TEI Assigned state (4.0) in response to UA/F=1 received in Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !UA START T200 ?TIMEOUT T200 START Td ?DISC +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?DISC +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE	L600	UA1_NR DISC1_UC	(P) (P) (F) (I) (I) (F)	F=1 P=1 Allow retransmission
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S60/DL60_V11				
Identifier: DL60_V11				
Purpose: Verify that the IUT ignores the receipt of an unsolicited DM/F=0 in Awaiting Release state (6.0). The IUT remains in the Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE		DM0_NR		F=0
+DM				
START T200				
?TIMEOUT T200			(P)	
START Td				
?DISC	L600	DISC1_UC	(P)	P=1
+DL60_VERIFICATION				
+DL_POSTAMBLE				
+DL60_UNEXPECTED				
GOTO L600				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT Td			(I)	
+DL_POSTAMBLE				
?DISC				
		DISC1_UC	(I)	Allow retransmission
+DL_POSTAMBLE				
?OTHERWISE				
+DL_POSTAMBLE			(F)	

#

Extended Comments: 0.921 Ref. 5.5.6

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_N01				
Identifier:DL60_N01				
Purpose:Verify that the IUT does not send a response to a SABME/P=1 with incorrect length (too long) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL60_PREAMBLE !SABME_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC	L600	SABME_TL1_NC		P=1
+DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE	L601	DISC1_UC	(P)	P=1 IUT's T200 expire d
+DL_POSTAMBLE ?TIMEOUT T200			(F)	
+DL_POSTAMBLE ?TIMEOUT T200			(F)	
+DL60_UNEXPECTED GOTO L600 ?OTHERWISE			(F)	
[ACT_ON_MDL_ERROR] +DL_POSTAMBLE			I	Test not run

Extended Comments: Q. 921 Ref. 5.5.4

Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT.

Allow for DISC due to expiry of the IUT's T200.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S60/DL60_N02 Identifier: DL60_N02 Purpose: Verify that the IUT does not send a response to a DISC/P=1 with incorrect length (too long) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT (ACT_ON_MDL_ERROR)] +DL60_PREAMBLE !DISC_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L600	DISC_TL_NC		P=1
	L601	DISC_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
#			I	Tests not run
Extended Comments: Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S60/DL60_N03 Identifier: DL60_N03 Purpose: Verify that the IUT does not send a response to a UA/F=0 with incorrect length (too long) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT (ACT_ON_MDL_ERROR)] +DL60_PREAMBLE !UA_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L600	UA_TL_NR		F=0
	L601	DISC_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for DISC due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_N04				
Identifier:DL60_N04				
Purpose:Verify that the IUT does not send a response to a DM/F=0 with incorrect length (too long) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL60_PREAMBLE !DM_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC	L600	DM_TLO_NR		P=1
#				
#				
+DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L601	DISC1_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
			I	Test not run
#				
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for DISC due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_N05				
Identifier:DL60_N05				
Purpose:Verify that the IUT does not send a response to an FRMR/F=0 with incorrect length (too long) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL60_PREAMBLE !FRMR_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC	L600	FRMR_TLO_NR		F=0
#				
#				
+DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L601	DISC1_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
			I	Test not run
#				
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S60/DL60_N06 Identifier: DL60_N06 Purpose: Verify that the IUT does not send a response to an RR/P=1 with incorrect length (too long) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL60_PREAMBLE !RR_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC	L600	RR_TLL_NC(0)		P=1
# # +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L601	DISC1_UC	(P)	P=1 IUT's T200 expired
#			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S60/DL60_N07 Identifier: DL60_N07 Purpose: Verify that the IUT does not send a response to an RNR/P=1 with incorrect length (too long) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(ACT_ON_MDL_ERROR)] +DL60_PREAMBLE !RNR_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC	L600	RNR_TLL_NC(0)		P=1
# # +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR]	L601	DISC1_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for DISC due to the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_N08 Identifier:DL60_N08 Purpose:Verify that the IUT does not send a response to a REJ/P=1 with incorrect length (too long) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [NOT (ACT_ON_MDL_ERROR)] +DL60_PREAMBLE ! I_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR] </pre>	L600	REJ_TL1_NC(0)		P=1
	L601	DISCL_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_N09 Identifier:DL60_N09 Purpose:Verify that the IUT does not send a response to an I/P=1 with incorrect length (too long)(exceeding N201 octets) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [NOT (ACT_ON_MDL_ERROR)] +DL60_PREAMBLE ! I_TL START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE [ACT_ON_MDL_ERROR] </pre>	L600	I_TL1_NC(0,0)		P=1
	L601	DISCL_UC	(P)	P=1 IUT's T200 expired
			(F)	
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.5.4 Although the IUT is not expected to send any response, the IUT indicates MDL_ERROR upon which the IUT's action is implementation dependent and should be as indicated in the PIXIT. Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S60/DL60_I01					
Identifier:DL60_I01					
Purpose:Verify that the IUT does not send a response to a FMRR/F=1 (rejecting a DISC) in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL60_PREAMBLE !FMRR_DISC START Td ?TIMEOUT Td +DL60_VERIFICATION +DL_POSTAMBLE ?DISC GOTO L600 +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE	L600	FMRR_DISC_LNR DISC_UC	(P) (F)		

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_I04				
Identifier:DL60_I04				
Purpose:Verify that the IUT does not send a response to a FRMR/F=1 (rejecting an I frame) in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !FRMR_I START Td ?TIMEOUT Td +DL60_VERIFICATION ?DISC GOTO L600 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE	L600	FRMR_I1_NR DISC1_UC	(P) (F)	
Extended Comments:Q.921 Ref. 3.6.11				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_I05				
Identifier:DL60_I05				
Purpose:Verify that the IUT does not send a response to a FRMR/F=1 (rejecting a Supervisory frame) in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !FRMR_SUP START Td ?TIMEOUT Td +DL60_VERIFICATION ?DISC GOTO L600 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE	L600	FRMR_SUP1_NR DISC1_UC	(P) (F)	
Extended Comments:Q.921 Ref. 3.6.11				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_I14 Identifier:DL60_I14 Purpose:Verify that the IUT does not send a response to a REJ/F=1 response in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !REJ START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC +DL60_VERIFICATION +DL_POSTAMBLE GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE	L600 L601	REJ1_NR(V_S) DISC1_UC	 (P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.7 Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_I15 Identifier:DL60_I15 Purpose:Verify that the IUT does not send a response to a REJ/F=0 response in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !REJ START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC +DL60_VERIFICATION +DL_POSTAMBLE GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE	L600 L601	REJ0_NR(V_S) DISC1_UC	 (P)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.7 Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_I18				
Identifier:DL60_I18				
Purpose:Verify that the IUT does not send a response to an RNR/F=1 response in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE				
:RNR		RNR1_NR(V_S)		F=1
START T200 (T200value - DELTA)	L600			
?TIMEOUT T200				
START T200				
?DISC	L601	DISC1_UC	(P)	P=1
+DL60_VERIFICATION				
+DL_POSTAMBLE				
+DL60_UNEXPECTED				
GOTO L601				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT T200			(F)	
+DL_POSTAMBLE				
+DL60_UNEXPECTED				
GOTO L600				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.8.7 Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_I19				
Identifier:DL60_I19				
Purpose:Verify that the IUT does not send a response to an RNR/F=0 response in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE				
:RNR		RNR0_NR(V_S)		F=0
START T200 (T200value - DELTA)	L600			
?TIMEOUT T200				
START T200				
?DISC	L601	DISC1_UC	(P)	P=1
+DL60_VERIFICATION				
+DL_POSTAMBLE				
+DL60_UNEXPECTED				
GOTO L601				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT T200			(F)	
+DL_POSTAMBLE				
+DL60_UNEXPECTED				
GOTO L600				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.8.7 Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_I20				
Identifier:DL60_I20				
Purpose:Verify that the IUT does not send a response to an I/P=1 command in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !I START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE	L600 L601	Il_NC(0,0) DISC1_UC	 (P)	P=1 P=1
Extended Comments:Q.921 Ref. 5.5.4 Allow for DISC due to expiry of the IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S60/DL60_I21				
Identifier:DL60_I21				
Purpose:Verify that the IUT does not send a response to an I/P=0 command in the Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !I START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?DISC +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L601 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE	L600 L601	IO_NC(0,0) DISC1_UC	 (P)	P=0 P=1
Extended Comments:Q.921 Ref. 5.5.4 Allow for DISC due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V04 Identifier:DL70_V04 Purpose:Verify that the IUT does not send an I frame (queued) when V (S)=v(A)+k (window is closed) in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL70_WC_SETUP START Td ?RR	L700	RR1_UC(V_R)		P=1,wait for IUT to poll
(N_R:=V_S) !RR		RR1_NR(N_R)		F=1,ack all I frames
START Td ?I(N_R:=I.N_S)	L701	I0_UC(V_S, V_R)	(F)	P=0
(V_S:=V_S+1, N_R: !RR		RR0_UR(N_R)		F=0
+DL70_VERIFICATION				
+DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	Test not run

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Extended Comments:Q.921 Ref. 5.6.1
 Executed if IUT is able to send I frame on request.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V08 Identifier:DL70_V08 Purpose:Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame established state after sending the UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !SABME START T200 ?UA (V_S:=0,V_R:=0,V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	SABME_NC UAL_UR	(P)	P=1 F=1
			(F)	(F)
			(F)	(F)

Extended Comments:Q.921 Ref. 5.5.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V10 Identifier:DL70_V10 Purpose:Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending UA/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	SABME0_NC UA0_UR	(P) (F)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V12 Identifier:DL70_V12 Purpose:Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.0). The IUT is expected to enter TEI Assigned state after sending UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	DISC1_NC UA1_UR	(P) (F) (F)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/ST0/DL70_V14 Identifier:DL70_V14 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !DM START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	DW0_NR SABME1_UC	(P) (F) (F)	F=0 P=1

Extended Comments:Q.921 Ref. 5.7.1

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70 V16 Identifier: DL70 V16 Purpose: Verify that the IUT sends nothing in response to a DM/F 1 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !DM START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	L700	DM1_NR	(P)	F=1
Extended Comments: Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70 V17 Identifier: DL70 V17 Purpose: Verify that the IUT sends a SAME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SAME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !FRMR_RR START T200 ?SAME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	FRMR_RR1_NR SAME1_UC	(P) (F) (F)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V20				
Identifier:DL70_V20				
Purpose:Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RR(V_A::=V_S) # # START T200 ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	RR1_NC(V_S) RR1_UR(V_R)	 (P) (F) (F)	P=1, N(R) set to V_S OF IUT F=1
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V21				
Identifier:DL70_V21				
Purpose:Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RR(V_A::=V_S) # # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	L700	RR0_NC(V_S)	 (P) (F)	P=0, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V23				
Identifier: DL70_V23				
Purpose: Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after send no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RR(V_A::=V_S)		RR0_NR(V_S)		F=0, N(R) set to V(S) of IUT
# # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	L700		(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V24				
Identifier: DL70_V24				
Purpose: Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)-N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL70_21_SETUP (N_R::=V_S-1) !RR(V_A::=N_R) START T200 ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L700	RR1_NC(N_R) RR1_UR(V_R)	(P)	P=1 F=1
#			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send SAME on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V25				
Identifier: DL70_V25				
Purpose: Verify that the IUT retransmits an I frame or sends an RR/P=1 in response to an RR/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending I.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL70_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I	L700	RR0_NC(N_R)		P=0
#		IL_UC(N_R, V_R)	(P)	P=1, retrans mit I frame
+DL80_VERIFICATION +DL_POSTAMBLE ?RR		RR1_UC(V_R)	(P)	P=1
+DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F) (F) I	Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V26				
Identifier: DL70_V26				
Purpose: Verify that the IUT retransmits an I frame or sends an RR/P=1 in response to an RR/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL70_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I	L700	RR0_NR(N_R)		P=0
#		IL_UC(N_R, V_R)	(P)	P=1, retrans mit I
+DL80_VERIFICATION +DL_POSTAMBLE ?RR		RR1_UC(V_R)	(P)	P=1
+DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F) (F) I	Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V27 Identifier: DL70_V27 Purpose: Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending the I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_II_SETUP (N_R:=V_S-1) :RR START T200 ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME)) #	L700	RRI_NC(N_R) RRI_UR(V_R)	(P) (F) (F) I	P=1 F=1 Test not run
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V28 Identifier: DL70_V28 Purpose: Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after send I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_II_SETUP (N_R:=V_S-1) :RR START Td ?I +DL80_VERIFICATION +DL_POSTAMBLE ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME)) #	L700	RRO_NC(N_R) I1_UC(N_R, V_R) RRI_UC(V_R)	(P) (P) (F) (F) I	P=0 P=1, retrans mit I frame P=1 Test not run
Extended Comments: Q.921 Ref. 5.6.5 Executed if the IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V29				
Identifier: DL70_V29				
Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_IL_SETUP (N_R:=V_S-1) !RR START Td ?I ?I +DL80_VERIFICATION +DL_POSTAMBLE ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L700	RR0_NR(N_R) IL_UC(N_R, V_R) RR1_UC(V_R)	 (P) (P) (F) (F) I	 F=0 P=1, retrans mit I P=1 Test not run
#				
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V30				
Identifier: DL70_V30				
Purpose: Verify that the IUT sends an RR/F=1 response in response to a REJ/P=1 command received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !REJ(V_A:=V_S) # # START T200 ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	REJ_NC(V_S) RR1_UR(V_R)	 (P) (F) (F)	 P=1, N(R) set to V(S) of IUT F=1
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V31				
Identifier:DL70_V31				
Purpose:Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !REJ(V_A::=V_S)		REJ0_NC(V_S)		P=0, N(R) set to V(S) of IUT
#				
#				
START TD ?TIMEOUT TD +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	L700		(P) (F)	
Extended Comments:Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V32				
Identifier:DL70_V32				
Purpose:Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !REJ(V_A::=V_S)		REJ0_NR(V_S)		P=0, N(R) set to V(S) of IUT
#				
#				
START TD ?TIMEOUT TD +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	L700		(P) (F)	
Extended Comments:Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V33				
Identifier:DL70_V33				
Purpose:Verify that the IUT sends an RR/F=1 and retransmits an I frame in response to an REJ/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_II_SETUP (N_R:=V_S-1) !REJ START T200 ?RR START Td ?I	L700	REJ1_NC(N_R)	P=1	
	L701	RR1_UR(V_R)	F=1	
		IP_UC(N_R,V_R,?)	(P)	Retransmit I, P=don't care
#				
#				
+DL70_VERIFICATION +DL_POSTAMBLE GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V34				
Identifier:DL70_V34				
Purpose:Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_II_SETUP (N_R:=V_S-1) !REJ START Td ?I	L700	REJ0_NC(N_R)	(P)	P=0 Retransmit I frame, P=don't care
#				
#				
#				
+DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V35				
Identifier: DL70_V35				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F=0 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending 1 Frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{CAN_SEND_A_IFRAME} +DL70_PREAMBLE +DL70_1I_SETUP (N_R::=V_S-1) !REJ START Td ?I	L700	REJ0_NR(N_R)		F=0
# # # +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))		IP_UC(N_R,V_R, ,?)	(F)	Retransmit I frame, P=don't care
#			(F)	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V36				
Identifier: DL70_V36				
Purpose: Verify that the IUT sends a RR/F=1 in response to an RNR/F=1 received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Peer Busy state after send RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RNR(V_A::=V_S)		RNR1_NC(V_S)		P=1, N(R) set to V(S) of IUT
# # START T200 ?RR +DL74_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	RNR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V39				
Identifier:DL70_V39				
Purpose:Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREMABLE !RNR(V_A:=V_S) START T200 ?TIMEOUT T200 START Td ?RR !RR +DL74_VERIFICATION +DL_POSTMABLE ?OTHERWISE +DL_POSTMABLE ?TIMEOUT Td +DL_POSTMABLE ?RR !RR +DL_POSTMABLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTMABLE	L700	RNR0_NR(V_S) RRL_UC(V_R) RRL_NR(V_S) RRL_UC(V_R) RRL_NR(V_S)	(P) (I) (I) (I)	F=0, N(R) set to V(S) of IUT P=1 F=1 P=1 F=1
				(F)
Extended Comments:Q.921 Ref. 5.6.5 Tester responds to an RR(p=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V40				
Identifier: DL70_V40				
Purpose: Verify that the IUT sends a RR/F 1 in response to an RNR/F=1 with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Peer Busy state after send RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre>[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_II_SETUP (N_R:=V_S-1) !RNR START T200 ?RR +DL74_VERIFICATION +DL_POSTAMBLE +DL_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]</pre>	L700	$N(R)_{NC}(N_R)$ $RR1_{UR}(V_R)$	 (P) (F) (F) I	 $P=1, V(A) \leq N(R) < V(S)$ F=1 Test not run
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V41				
Identifier: DL70_V41				
Purpose: Verify that the IUT sends nothing in response to an RNR/P=0 with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre>[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_II_SETUP (N_R:=V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RR !RR +DL74_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RR +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]</pre>	L700	$RNR0_{NC}(N_R)$ $RR1_{UC}(V_R)$ $RR1_{NR}(V_S)$	 (P) (I) (I) (I) (F) I	 $P=0, V(A) \leq N(R) < V(S)$ P=1 F=1 Test not run
Extended Comments: Q.921 Ref. 5.6.5 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V45				
Identifier:DL70_V45				
Purpose:Verify that the IUT sends an RR/F=0 or an I/F=0 in response to an I/P=0 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE ! I (V_A::=V_S)		I0_NC (V_R, V_S)		P=0, N(R) set to V(S) , N(S) set to V(R) of IUT
START T200 (V_R:=V_R+1) ?RR	L700	RR0_UR(V_R)	(F)	F=0
+DL70_VERIFICATION +DL_POSTAMBLE ? I		I0_UC (V_S, V_R)	(F)	P=0
+DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE			(F)	

extended Comments:Q.921 Ref. 5.6.2.2

LAPD Conformance Testing

W-SC Case Dynamic Behaviour					
Reference: LAPD/MFO/S/I/DL70_V46					
Identifier: DL70_V46					
Purpose: Verify that the IUT sends a REJ/F=1 in response to an I/P=1 with N(S)<V(R) received in Multiple Frame Established state (I.O). The IUT is expected to enter Multiple Frame Established Reject Recovery state after sending REJ/F=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
*DL70_PREAMBLE (N_S::=V_R+1) ! ! I(V_A::=V_S)		I1_NC(N_S, V_S)		P=1, N(R) set V(S), N (S) not set to V(R) of IUT	
START T200	L700	REJ_UR(V_R)	(P)	F=1	
?REJ +DL71_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)		

Extended Comments: Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V47				
Identifier:DL70_V47				
Purpose:Verify that the IUT sends a REJ/F=0 in response to an I/P=0 with N(S)<V(R) received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Reject recovery state after sending REJ/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_S::=V_S+1) ! I (V_A::=V_S)		I0_NC(N_S, V_S)		P=0,N(R) set to V(S) , N(S) not set V(R) of IUT
#				
#				
#				
START T200				F=0
?REJ +DL71_VERIFICATION +DL_POSTAMBLE	L700	REJ0_UR(V_R)	(P)	
+DL70_UNEXPECTED GOTO L700			(F)	
?OTHERWISE +DL_POSTAMBLE			(F)	
?TIMEOUT T200 +DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V48				
Identifier:DL70_V48				
Purpose:Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL70_2I_SETUP (N_R::=V_S-1) ! I		I1_NC(V_R, N_R)		P=1,V(A)<N (R)<V(S), N (S) set to V(R) of IUT
#				
#				
#				
START T200 (V_R::=V_R+1) ?RR				F=1
+DL70_VERIFICATION +DL_POSTAMBLE	L700	RR1_UR(V_R)	(P)	
+DL70_UNEXPECTED GOTO L700			(F)	
?OTHERWISE +DL_POSTAMBLE			(F)	
?TIMEOUT T200 +DL_POSTAMBLE				
[NOT(CAN_SEND_IFRAMES)]			I	Test not run
#				
Extended Comments:Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V49				
Identifier: DL70_V49				
Purpose: Verify that the IUT sends a RR/F-0 or an I/F-0 in response to an I/P=0 received with V(A)-N(R)-V(S) in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F-0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL70_2I_SETUP (N_R:=V_S-1) ! I		I0_NC(V_R, N_R)		F=0, V(A)-N (R)-V(S), N (S) set to V(R) of IUT
START T200 (V_R:=V_R+1) ?RR +DL70_VERIFICATION +DL_POSTAMBLE	L700	RR0_UR(V_R)	(P)	F=0
?I		I0_UC(N_R, V_R)	(P)	P=0
+DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#			(F)	Test not run
Extended Comments: Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V50				
Identifier: DL70_V50				
Purpose: Verify that the IUT sends a REJ/F-1 in response to an I/P=1 frame with V(A)-N(R)-V(S) and N(S)-V(R) received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Reject Recovery state after sending REJ/F-1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL70_2I_SETUP (N_R:=V_S-1, N_S:=V_R+1) ! I		I1_NC(N_S, N_R)		P=1, V(A)-N (R)-V(S), N (S) not set to V(R) of IUT
START T200 ?REJ +DL71_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L700	REJ1_UR(V_R)	(P)	F=1
#			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour					
Reference:LAPD/WFO/S70/DL70_V51 Identifier:DL70_V51 Purpose:Verify that the IUT sends a REJ/F=0 in response to an I/P=0 frame with V(A)<N(R)<V(S) and N(S)>V(R) received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Reject Recovery state after sending REJ/F=0. Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
# # # #	[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL70_2I_SETUP (N_R:=V_S-1,N_S:=V_R+1) ! I START T200 ?REJ +DL71_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L700	I0_NC(N_S, N_R)	(P)	P=0,V(A)<N (R)<V(S), N (S) not set to V(R) of IUT F=0
#				(F) (F) I	Test not run

Extended Comments:Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/ST07/DL70_V52 Identifier:DL70_V52 Purpose:Verify that the IUT sends a RR/F=1 in response to an I frame with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_1I_SETUP (N_R:=V_S-1) ! I START T200 (V_R:=V_R+1) ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME)) </pre>	L700	IL_NC(V_R, N_R) RRL_UR(V_R)	(P) (F) (F) I	P=1,V(A)=N (R)<V(S), N (S) set to V(R) of IUT F=1 Test not run
#				
#				
#				
#				

Extended Comments:Q.921 Ref. 5.6.2.1

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V53				
Identifier: DL70_V53				
Purpose: Verify that the IUT sends a RR/F=0 or an I/F=0 in response to an I/P=0 received with V(A)=N(R)<V(S) in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0 or I/F=0.				
Default:	Behaviour Description	Label	Constraints Reference	V
#	[CAN_SEND_A_IFRAME] +DL70_PREAMBLE			
#	+DL70_1I_SETUP (N_R:=V_S-1)			
#	! I		10_NC (V_R, N_R)	P=0, V(A)=N (R)<, (S), N (S) set to V(R) of IUT
	START T200 (V_R:=V_R+1)			
	?RR	L700	RR0_UR(V_R)	F=0
	+DL70_VERIFICATION +DL_POSTAMBLE			
#	? I		10_UC (V_S, V_R)	P=0
	+DL70_VERIFICATION +DL_POSTAMBLE			
	+DL70_UNEXPECTED GOTO L700			(F)
	?OTHERWISE			
	+DL_POSTAMBLE			
	?TIMEOUT T200			(F)
	+DL_POSTAMBLE			
	(NOT(CAN_SEND_A_IFRAME))			I
#				Test not run

Extended Comments: 0.921 Ref. 5.6.2.2

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_V54 Identifier: DL70_V54 Purpose: Verify that the IUT sends a REJ/F=1 in response to an I/P=1 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Reject Recovery state after sending REJ/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> {CAN_SEND_A_IFRAME} +DL70_PREMABLE +DL70_1I_SETUP (N_R::=V_S-1,N_S::=V_R+1) ! I </pre>		<pre> I1_NC(N_S, N_R) </pre>		P=1, V(A)=N (R)<V(S), N (S) not set to V(R) of IUT
<pre> START T200 ?REJ +DL71_VERIFICATION +DL_POSTABLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTABLE ?TIMEOUT T200 +DL_POSTABLE {NOT(CAN_SEND_A_IFRAME)} </pre>	L700	<pre> REJ1_UR(V_R) </pre>	(P) (F) (F) I	F=1 Test not run

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V55				
Identifier:DL70_V55				
Purpose:Verify that the IUT sends a REJ/F=0 in response to an I/P=0 frame with V(A)=N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Reject Recovery state after sending REJ/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_II_SETUP (N_R::=V_S-1,N_S::=V_R+1) ! I		IO_NC(N_S, N_R)		P=0,V(A)=N (R)<V(S), N (S) not set to V(R) of IUT
#				
#				
#				
#				
START T200				F=0
?REJ	L700	REJ0_UR(V_R)	(P)	
+DL71_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
[NOT(CAN_SEND_A_IFRAME)]				
#			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V56				
Identifier:DL70_V56				
Purpose:Verify that the IUT sends an RR/P=1 or I/P=1 after a T200 timeout in Multiple Frame Established state (7.0). The IUT is expected to enter Timer Recovery state after sending RR/P=1 or I/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_II_SETUP (N_S::=V_S-1) START Td ? I	L700	II_UC(N_S, V_R)	(F)	P=1
#				
+DL80_VERIFICATION +DL_POSTAMBLE ?RR		RR1_UC(V_R)	(P)	P=1
+DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT Td				
+DL_POSTAMBLE				
[NOT(CAN_SEND_A_IFRAME)]				
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_V57				
Identifier:DL70_V57				
Purpose:Verify that the IUT sends an RR/P=1 after a T203 timeout occurs in Multiple Frame Established state. The IUT is expected to enter Timer Recovery state after sending RR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[T203_IMPLEMENTED] +DL70_FREAMBLE START T203 ?TIMEOUT T203 START T3 ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE [NOT(T203_IMPLEMENTED)]	L700			
	L701	RR_UC(V_R)	(P)	P=1
			(F)	
			(F)	
			(F)	
#			I	Test not run

Extended Comments:Q.921 Ref. 5.10.3.3
Executed if IUT implements T203 timer.

Test Case Dynamic behaviour				
Reference: LAPD/MFO/S70/DL70_V58 Identifier: DL70_V58 Purpose: Verify that the IUT sends an RNR/F=0 when it sets OWN_BUSY in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Own Busy state after sending RNR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL70_PREAMBLE <IUT:RNR> # START Topr ?RNR +DL72_VERIFICATION +DL_POSTAMBLE ?RR !RR GOTO L700 +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_TEST_OWN_BUSY)] #	L700	RNR0_UR(V_R) RRL_UC(V_R) RRL_NR(V_R)	(P) (F) (F) I	Set Own Busy F=0 P=1 F=1 Test not run
Extended Comments: Q.921 Ref. 5.6.6 Executed if IUT is able to set own busy on request.				

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_N03 Identifier:DL70_N03 Purpose:Verify that the IUT sends a SARME/P=1 in response to an RR/P=1 response with an N(R) error received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SARME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R:=V_S+(K+1)) !RR START Td ?SARME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	RR1_NK(N_R) SARME1_UC	 (P)	 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_N04 Identifier:DL70_N04 Purpose:Verify that the IUT sends a SARME/P=1 in response to an RR/P=0 with an N(R) error received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SARME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R:=V_S+(K+1)) !RR START Td ?SARME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	RR0_NR(N_R) SARME1_UC	 (P)	 F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_N07				
Identifier:DL70_N07				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 Response with an N(R) error received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R::=V_S*(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	REJ1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_N08				
Identifier:DL70_N08				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 Response with an N(R) error received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R::=V_S*(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	REJ0_NR(N_R) SABME1_UC	(F) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_N09 Identifier:DL70_N09 Purpose:Verify that the IUT sends an RR/P=1 and a SABME/P=1 in response to an RNR/P=1 command with a N(R) error received in Multiple Frame Established state. The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R::=V_S+(K+1)) !RNR START T200 ?RR START Td ?SABME +DL_VERIFYIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700 L701	RNR_NC(N_R) RRI_LR(V_R) SABME_UC	 (P) (F) (F) (P)	P=1 F=1 P=1

Extended Comments:Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S70/DL70_N10 Identifier:DL70_N10 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending a SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R::=V_S+(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	RNR0_NC(N_R) SABME1_UC	(P) (F) (F)	P=0 P=1

Extended Comments:Q.921 Ref. 5.8.2

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_N11 Identifier:DL70_N11 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R:=V_S*(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	RNR1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_N12 Identifier:DL70_N12 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R:=V_S*(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	RNR0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S70/DL70_N13 Identifier:DL70_N13 Purpose:Verify that the IUT sends an RR/F=1 and a SABME/P=1 in response to an I/P=1 frame with an N(R) error received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R::=V_S+(K+1)) ! I		I1_NC(V_R, N_R)		P=1
#				
START T200 (V_R::=V_R+1) ?RR	L700	RR1_UR(V_R)		F=1
START Td ?SABME	L701	SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td				
+DL_POSTAMBLE				
?SABME		SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
			(F)	
			(F)	
			(P)	
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_N15				
Identifier: DL70_N15				
Purpose: Verify that the IUT sends a REJ/P=1 and sends a SABME/P=1 in response to an I/P=1 with an N(R) error and N(S)~=V(R) received in Multiple Frame Establishment state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_S:=V_R+1,N_R:=V_S+(K+1)) ! I		! I_NC(N_S, N_R)		P=1
#				
START T200				
?REJ	L700	REJ1_UR(V_R)		F=1
START Td				
?SABME	L701	SABME1_UC	(F)	P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL70_UNEXPECTED				
GOTO L701				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT Td			(F)	
+DL_POSTAMBLE				
?SABME		SABME1_UC	(F)	P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL70_UNEXPECTED				
GOTO L700				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT T200			(F)	
+DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_N17				
Identifier:DL70_N17				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !SABME_TL START_Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT_Td +DL_POSTAMBLE	L700	SABME_TL1_NC SABME_UC	(P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_N18				
Identifier:DL70_N18				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !DISC_TL START_Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT_Td +DL_POSTAMBLE	L700	DISC_TL1_NC SABME_UC	(P)	P=1 P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_N19 Identifier: DL70_N19 Purpose: Verify that the IUT sends a SABME/P 1 in response to a UA of incorrect length received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !UA_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	UA_TL1_NR SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_N20 Identifier: DL70_N20 Purpose: Verify that the IUT sends a SABME/P 1 in response to a DM of incorrect length received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !DM_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	DM_TL1_NR SABME1_UC	 (P) (F) (F)	 F=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_N23				
Identifier: DL70_N23				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an RNR of incorrect length received in Multiple Frame Established state (7.0). the IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RNR_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	RNR_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_N24				
Identifier: DL70_N24				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ of incorrect length received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !REJ_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	REJ_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S70/DL70_N25				
Identifier:DL70_N25				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE ! I_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	I_TL1_NC(V_R, V_S) SABME1_UC	P=1 (P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S70/DL70_N26				
Identifier:DL70_N26				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an undefined command received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !UNDEF START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	UNDEF1_NC SABME1_UC	(P) (P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_N27 Identifier:DL70_N27 Purpose:Verify that the IUT sends a SABME/P=1 in response to a frame with an invalid I field received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	SABME_TL1_NC SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S70/DL70_I01 Identifier:DL70_I01 Purpose:Verify that the IUT does not respond to an RR/F=1 response received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RR(V_A:=-V_S) # # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	L700	RR1_NR(V_S)	 (P) (F)	 F=1, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_I02 Identifier: DL70_I02 Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL70_2I_SETUP (N_R::=V_S-1) !RR(V_A:=N_R) START Td ?I	L700	RR1_NR(N_R)	(P)	F=1
#				P=1, retransmit I
+DL80_VERIFICATION +DL_POSTAMBLE ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]		IL_UC(N_R, V_R)	(P)	P=1
#				(F)
				(F)
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request, and does not send a PDU or change state when a MDL_ERR_INDICATION(A) is generated.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_I03 Identifier: DL70_I03 Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_1I_SETUP (N_R::=V_S-1) !RR START Td ?I	L700	RR1_NR(N_R)		F=1
#				P=1, retransmit I
+DL80_VERIFICATION +DL_POSTAMBLE ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		RR1_UC(V_R)	(P)	P=1
#				(F)
			(F)	(F)
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_I04				
Identifier: DL70_I04				
Purpose: Verify that the IUT does not respond to a REJ/F-1 response received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !REJ(V_A:=V_S)		REJ1_NR(V_S)		F=1, N(R) set to V(S) of IUT
#				
#				
START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	L700		(P)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_I05				
Identifier: DL70_I05				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state. The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_1I_SETUP (N_R:=V_S-1) !REJ START Td ?I				
#				
#				
+DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE {NOT(CAN_SEND_A_IFRAME)}	L700	REJ1_NR(N_R) IP_UC(N_R,V_R, ,?)	(P)	F=1 Retransmit I, P=don't care
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S70/DL70_I06					
Identifier:DL70_I06					
Purpose:	Verify that the IUT sends nothing in response to an RNR/F-1 response received in Multiple Frame Established state (7.0).				
The IUT is expected to enter Multiple Frame Established Peer Busy state.					
Default:					
*DL70_PREAMBLE !RNR(V_A::=V_S) # # START T200 ?TIMEOUT T200 START TD ?RR !RR +DL74_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT TD +DL_POSTAMBLE ?RR !RR +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE	Behaviour Description	Label	Constraints Reference	V	Comments
RNR1_NR(V_S)	L700	RNR1_UC(V_R) RNR1_NR(V_S)	(P) (I) (I) (I) (F)	F 1, N(R) set to V(S) of IUT P 1 F=1 	

Extended Comments:Q.921 Ref. 5.8.7
Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S70/DL70_I07				
Identifier: DL70_I07				
Purpose: Verify that the IUT sends nothing in response to an RNR/F=1 response with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREMABLE +DL70_I1_SETUP (N_R: V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RR !RR +DL74_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RR +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>	L700	RNR1_NR(N_R)	(P)	$F=1, V(A) \leq N(R) < V(A)$ $P=1$ $F=1$
			(I)	
			(I)	
		RNR1_UC(V_S) RNR1_NR(V_S)	(I)	$P=1$ $F=1$
			(F)	Test not run
			I	

Extended Comment 5:0.921 Ref. 5.8.7
 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.

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Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V04 Identifier:DL71_V04 Purpose:verify that the IUT does not send an I frame (queued) when V state (S)=v(A)+k (window is closed) in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL71_WC_SETUP START Td ?RR (N_R:=V_S) !RR	L710	RR1_UC(V_R) RR1_NR(N_R)		P=1 F=1,ack all I frames
START Td ?I(N_R:=I.N_S) (V_S:=V_S+1, N_R: !RR	L711	I0_UC(V_S, V_R) RR0_NR(N_R)	(P)	P=0 F=0
#+DL71_VERIFICATION #+DL_POSTAMBLE +DL71_UNEXPECTED GOTO L711 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F) (F) (F) (F) I	Test not run
Extended Comments:Q.921 Ref. 5.6.1				

Continued on next page

Executed if IUT is able to send I frame on request.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V08 Identifier:DL71_V08 Purpose:Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame established state after sending the UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !SABME START T200 ?UA (V_S:=0,V_R:=0,V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L710	SABME1_NC UAL_UR	(P)	P=1 F=1
			(F)	(F)
			(F)	(F)
Extended Comments:Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/ST71/DL71_V14				
Identifier: DL71_V14				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE				
!DM				
START T200				F=0
?SABME				P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL71_UNEXPECTED				
GOTO L710	L710	SABME_UC	(P)	
?OTHERWISE				(F)
+DL_POSTAMBLE				
?TIMEOUT T200				(F)
+DL_POSTAMBLE				

Extended Comments: Q.921 Ref. 5.7.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V16				
Identifier:DL71_V16				
Purpose:Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !DM START TD ?TIMEOUT TD +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE	L710	DM1_NR	(P)	F=1
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V17				
Identifier:DL71_V17				
Purpose:Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !FRMR_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L710	FRMR_RR1_NR SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V20				
Identifier:DL71_V20				
Purpose:Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !RR(V_A::=V_S)		RR1_NC(V_S)		P=1, N(R) set to V(S) of IUT
# # START T200 ?RR +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L710	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V21				
Identifier:DL71_V21				
Purpose:Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !RR(V_A::=V_S)		RR0_NC(V_S)		P=0, N(R) set to V(S) of IUT
# # START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE	L710		(P)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S71/DL71_V23				
Identifier: DL71_V23				
Purpose: Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !RR(V_A:=V_S)		RR0_NR(V_S)		F 0, N(R) set to V(r) of IUT
# # START T3 ?TIMEOUT T3 +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE	L710		(P) (F)	
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S71/DL71_V24				
Identifier: DL71_V24				
Purpose: Verify that the IUT sends an RR/F=1 in response to an RR/F=1 command with V(A)-N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL71_21_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START T200 ?RR +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L710	RR1_NC(N_R) RR1_UR(V_R)	 (P) (F) (F) I	 P=1 F=1 Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send SABME on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V25				
Identifier:DL71_V25				
Purpose:Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL71_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L710	RR0_NC(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	 (P) (P) (F) (F) I	 P=0 P=1, retrans mit I frame P=1 Test not run
#				
#				
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V26				
Identifier:DL71_V26				
Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=0 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL71_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L710	RR0_NR(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	 (P) (P) (F) (F) I	 F=0 P=1, retrans mit I P=1 Test not run
#				
#				
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_V27 Identifier: DL71_V27 Purpose: Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending the I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_I1_SETUP (N_R:=V_S-1) !RR START T200 ?RR +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L710	RR1_NC(N_R) RR1_UR(V_R)	(P) (F) (F) (F) (I)	P=1 F=1 Test not run
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_V28 Identifier: DL71_V28 Purpose: Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_I1_SETUP (N_R:=V_S-1) !RR START Td ?I +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L710	RR0_NC(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	(P) (P) (P) (F) (F) (I)	P=0 P=1, retransmit I frame P=1 Test not run
Extended Comments: Q.921 Ref. 5.6.5 Executed if the IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V29 Identifier:DL71_V29 Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_1I_SETUP (N_R:=V_S-1) !RR START Td ?I +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>	L710	RR0_NR(N_R) I1_UC(N_R, V_R) RRI_UC(V_R)	(P) (P) (F) (F) I	F=0 P=1, retrans mit I P=1 Test not run
#				

Extended Comments:Q.921 Ref. 5.6.5
 Executed if IUT is able to send I frame on request.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V30				
Identifier:DL71_V30				
Purpose:Verify that the IUT sends an RR/F=1 in response to a REJ/P=1 command received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !REJ(V_A::=V_S)		REJ_NC(V_S)		P=1, N(R) set to V(S) of IUT
# #				
START T200	L710	REL_UR(V_R)	(P)	F=1
?RR +DL71_VERIFICATION +DL_POSTABLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTABLE ?TIMEOUT T200 +DL_POSTABLE			(F)	
			(F)	

Extended Comments:Q.921 Ref. 5.6.4

LAPD Conformance Testing

Test Case: Dynamic Behaviour				
Reference: LAPD/NFO/S71/DL71_V12				
Identifier: DL71_V12				
Purpose: Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !REJ(V_A:: V_S)		REJ0_NR(V_S)		F=0, N(R) set to V(S) of IUT
# #				
START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE	L710		(P)	
			(F)	

Extended Comments: Q.921 Ref. 5.8.7

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V33				
Identifier:DL71_V33				
Purpose:Verify that the IUT sends an RR/F=1 and retransmits an I frame in response to an REJ/P=1 command with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_II_SETUP (N_R:=V_S-1) !REJ START T200 ?RR START Td ?I	L710	REJ1_NC(N_R)		P=1
	L711	RR1_UR(V_R)		F=1
		IP_UC(N_R,V_R, ,?)	(P)	Retransmit I,P=don't care
#				
#				
+DL71_VERIFICATION +DL_POSTAMBLE GOTO L711 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V34				
Identifier:DL71_V34				
Purpose:Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_II_SETUP (N_R:=V_S-1) !REJ START Td ?I				
	L710	REJ0_NC(N_R)	(P)	P=0
#				
#				
#				
+DL71_VERIFICATION +DL_POSTAMBLE GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	Retransmit I frame, P=don't care
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_V35 Identifier: DL71_V35 Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F=0 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I Frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_I1_SETUP (N_R:=V_S-1) !REJ START Td ?I # # # # +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #	L710	REJO_NR(N_R) IP_UC(N_R,V_R, ?)	(P) (F) (F) (I)	F=0 Retransmit I frame, P=don't care Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_V36 Identifier: DL71_V36 Purpose: Verify that the IUT sends a RR/F=1 in response to an RNR/P=1 received in Multiple Frame Established state (7.1). The IUT is expected to enter Multiple Frame Established peer Busy state after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !RNR(V_A:=V_S) # # START T200 ?RR +DL75_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L710	RNR1_NC(V_S) RR1_OR(V_R)	(P) (F) (F)	P=1, N(R) set to V(S) of IUT P=1
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V39				
Identifier:DL71_V39				
Purpose:Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.1). the IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !RNR(V_A::=V_S) START T200 ?TIMEOUT T200 START Td ?RR !RR +DL75_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RR +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE	L710	RNR0_NR(V_S) RR1_UC(V_R) RR1_NR(V_S)	(P) (I) (I) (I)	F=0, N(R) set to V(S) of IUT P=1 F=1 P=1 F=1
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				
Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_V43				
Identifier: DL71_V43				
Purpose: Verify that the IUT does not respond to an RNR/F=0 response with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.1). The IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre>[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_1I_SETUP (N_R::=V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RR !RR #+DL75_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RR +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]</pre>	L710	RNR0_NR(N_R)	(P)	$F=0, V(A) < N(R) < V(S)$
		RR1_UC(V_R) RR1_NR(V_S)	(P)	$P=1$ $F=1$
			(I)	
			(I)	
		RR1_UC(V_R) RR1_NR(V_S)	(I)	$P=1$ $F=1$
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.5 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_V44				
Identifier: DL71_V44				
Purpose: Verify that the IUT sends an RR/F=1 in response to an I frame received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre>+DL71_PREAMBLE !I(V_A::=V_S) # # # # START T200 (V_R::=V_R+1) ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE</pre>	L710	I1_NC(V_R, V_S)	(P)	$P=1, N(R)$ set to $V(S)$, $N(S)$ set to $V(R)$ of IUT
		RR1_UR(V_R)	(F)	$F=1$
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S71/DL71_V45				
Identifier:DL71_V45				
Purpose:Verify that the IUT sends an RR/F=0 or I/F=0 in response to an I/P=0 received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0 or I/P=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !I(V_A:=V_S) # # # # #		I0_NC(V_R, V_S)		P=0, N(R) set to V(S) , N(S) set to V(R) of IUT
START T200 (V_R:=V_R+1) ?RR +DL70_VERIFICATION +DL_POSTAMBLE ?I	L710	RR0_UR(V_R)	(P)	F=0
+DL70_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE		I0_UC(V_S, V_R)	(P)	P=0
#			(F)	
Extended Comments:Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S71/DL71_V46				
Identifier:DL71_V46				
Purpose:Verify that the IUT sends an RR/F=1 in response to an I/P=1 with N(S)<>V(R) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE (N_S:=V_S+1) !I(V_A:=V_S) # # # # #		I1_NC(N_S, V_S)		P=1, N(R) set to V(S) , N(S) not set to V(R) of IUT
START T200 ?RR +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L710	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V47				
Identifier:DL71_V47				
Purpose:Verify that the IUT sends nothing in response to an I/P=0 with N(S)<V(R) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Establishment state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE (N_S:=V_S+1) !I(V_A:=V_S) # # # #		I0_NC(N_S, V_S)		P=0, N(R) set to V(S) , N(S) not set to V(R) of IUT
START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE	L710		(P)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V48				
Identifier:DL71_V48				
Purpose:Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to enter in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL71_2I_SETUP (N_R:=V_S-1) !I # # #		I1_NC(V_R, N_R)		P=1,V(A)<N (R)<V(S), N (S) set to V(R) of IUT
START T200 (V_R:=V_R+1) ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L710	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_V49				
Identifier: DL71_V49				
Purpose: Verify that the IUT sends a RR/F=0 or an I/F=0 in response to an I/P=0 received with V(A)<N(R)<V(S) in Multiple Frame Established state (7.1). The IUT is expected to enter in Multiple Frame Established state after sending RR/F=0 or I/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL71_2I_SETUP (N_R:=V_S-1) ! I		I0_NC(V_R, N_R)		P=0, V(A)<N (R)<V(S), N (S) set to V(R) of IUT
START T200 (V_R:=V_R+1) ?RR +DL70_VERIFICATION +DL_POSTAMBLE	L710	RR0_UR(V_R)	(P)	F=0
? I		I0_UC(N_R, V_R)	(P)	P=0
+DL70_VERIFICATION +DL_POSTAMBLE GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
[NOT(CAN_SEND_IFRAMES)]			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_V50				
Identifier: DL71_V50				
Purpose: Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established Reject Recovery state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL71_2I_SETUP (N_R:=V_S-1, N_S:=V_R+1) ! I		I1_NC(N_S, N_R)		P=1, V(A)<N (R)<V(S), N (S) not set to V(R) of IUT
START T200 ?RR +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L710	RR1_UR(V_R)	(P)	F=1
[NOT(CAN_SEND_IFRAMES)]			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

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Allow for RR or I due to expiry of the IUT's T200.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V51				
Identifier:DL71_V51				
Purpose:Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)<N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established Reject Recovery state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL71_2I_SETUP (N_R:=V_S-1,N_S:=V_R+1) ! I		I0_NC(N_S, N_R)		P=0,V(A)<N (R)<V(S), N (S) not set to V(R) of IUT
START T200 (T200value - ?TIMEOUT T200 START T200 ?RR	L710	RR1_UC(V_R)	(P)	P=1, Allow poll for T200 expiry
+DL81_VERIFICATION +DL_POSTAMBLE ? I		I1_UC(N_R, V_R)	(P)	P=1, Allow I for T200 expiry
+DL81_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE			(F)	
[NOT(CAN_SEND_IFRAMES)]			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

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Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V52				
Identifier:DL71_V52				
Purpose:Verify that the IUT sends a RR/F=1 in response to an I frame with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to enter Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL70_1I_SETUP (N_R:=V_S-1) ! I		I1_NC(V_R, N_R)		P=1,V(A)=N (R)<V(S), N (S) set to V(R) of IUT
START T200 (V_R:=V_R+1) ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L710	RR1_UR(V_R)	(P)	F=1
#			(F)	
#			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_V53				
Identifier: DL71_V53				
Purpose: Verify that the IUT sends a RR/F=0 or an I/F=0 in response to an I/P=0 received with V(A)-N(R)<V(S) in Multiple Frame Established state (7.1). The IUT is expected to enter in Multiple Frame Established state after sending RR/F=0 or I/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_II_SETUP (N_R:=V_S-1) ! I		I0_NC(V_R, N_R)		P=0, V(A)=N (R)<V(S), N (S) set to V(R) of IUT
START T200 (V_R:=V_R+1) ?RR +DL70_VERIFICATION +DL_POSTAMBLE ? I	L710	RR0_UR(V_R)	(P)	F=0
+DL70_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		I0_UC(V_S, V_R)	(P)	P=0
			(F)	Test not run
			(F)	
			I	
Extended Comments: Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_V54				
Identifier: DL71_V54				
Purpose: Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established Reject Recovery state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_II_SETUP (N_R:=V_S-1, N_S:=V_R+1) ! I		I1_NC(N_S, N_R)		P=1, V(A)=N (R)<V(S), N (S) not set to V(R) of IUT
START T200 ?RR +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L710	RR1_UR(V_R)	(P)	F=1
			(F)	Test not run
			(F)	
			I	
Extended Comments: Q.921 Ref. 5.8.1				

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Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V55 Identifier:DL71_V55 Purpose:Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established Reject Recovery state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_LI_SETUP (N_R:=V_S-1,N_S:=V_R+1) !I		IO_NC(N_S, N_R)		P=0,V(A)=N(R)<V(S), N(S) not set to V(R) of IUT
# # # # # #DELTA)				
START T200 (T200value - ?TIMEOUT T200 START T200 ?RR	L710	RR1_UC(V_R)	(P)	P=1.Allow poll for T200 expiry
+DL81_VERIFICATION +DL_POSTAMBLE ?I				
+DL81_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE (NOT (CAN_SEND_A_IFRAME))		IL_UC(N_R, V_R)	(P)	P=1.Allow I for T200 expiry
# #			(F)	
			(F)	
			(F)	
			(F)	Test not run
			I	
Extended Comments:Q.921 Ref. 5.8.1				

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Allow for RR or I due to expiry of the IUT's T200.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_V56 Identifier:DL71_V56 Purpose:Verify that the IUT sends an RR/P=1 or I/P=1 after a T200 timeout in Multiple Frame Established state (7.1). The IUT is expected to enter Timer Recovery state after sending RR/P=1 or I/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_LI_SETUP (N_S:=V_S-1) START Td ?I	L710	IL_UC(N_S, V_R)	(P)	P=1
# +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT (CAN_SEND_A_IFRAME))		RR1_UC(V_R)	(P)	P=1
#			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_N03				
Identifier:DL71_N03				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/F=1 response with an N(R) error received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE (N_R::=V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L710	RR1_NR(N_R) SABME1_UC	 (F) (F) (F)	 F=1 P=1
Extended Comment.:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_N04				
Identifier:DL71_N04				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/F=0 with an N(R) error received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE (N_R::=V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L710	RR0_NR(N_R) SABME1_UC	 (F) (F) (F)	 F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_N07 Identifier:DL71_N07 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 Response with an N(R) error received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE (N_R::=V_S*(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L710	REJ1_NR(N_R) SABME1_UC	(P)	F=1 P=1
Extended Comment:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_N08 Identifier:DL71_N08 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 Response with an N(R) error received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE (N_R::=V_S*(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L710	REJ0_NR(N_R) SABME1_UC	(P)	F=0 P=1
Extended Comment:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S711/DL71_N10				
Identifier:DL71_N10				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending a SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE (N_R::=V_S+(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L710	RNR0_NC(N_R) SABME1_UC	(P) (F) (F)	P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_N11				
Identifier: DL71_N11				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE (N_R::=V_S+(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L710	RNR1_NR(N_R) SABME1_UC	(P)	F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_N12				
Identifier: DL71_N12				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE (N_R::=V_S+(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L710	RNR0_NR(N_R) SABME1_UC	(P)	F=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_N16				
Identifier: DL71_N16				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error and N(S)=V(R) received in Multiple Frame Established state (7.1). The IUT is expected to Awaitng Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE (N_S::=V_R+1, N_R::=V_S+(K+1)) ! I		I0_NC(N_S, N_R)		P=0
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L710	SABME1_UC	(P)	P=1
			(F)	
			(F)	

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S71/DL71_N17				
Identifier:DL71_N17				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L710	SABME_TL_NC SABME_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				
			(F)	(F)
			(F)	(F)

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S71/DL71_N18				
Identifier:DL71_N18				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !DISC_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L710	DISC_TL_NC SABME_UC	(P)	P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				
			(F)	(F)
			(F)	(F)

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_N19				
Identifier:DL71_N19				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a UA of incorrect length received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !UA_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L710	UA_TL_NR SABME_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_N20				
Identifier:DL71_N20				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM of incorrect length received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !DM_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L710	DM_TL1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_N23				
Identifier:DL71_N23				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR of incorrect length received in Multiple Frame Established state (7.1). the IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !RNR_TL #		RNR_TL1_NC (V_S)		P=1
START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L710	SABME1_UC	(P)	P=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.7.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_N24				
Identifier:DL71_N24				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ of incorrect length received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !REJ_TL #		REJ_TL1_NC (V_S)		P=1
START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L710	SABME1_UC	(P)	P=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S71/DL71_N27				
Identifier:DL71_N27				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a frame with an invalid I field received in Multiple Frame Established state (7.1). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L710	SABME_TL1_NC SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S71/DL71_I01				
Identifier:DL71_I01				
Purpose:Verify that the IUT does not respond to an RR/F=1 response received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !RR(V_A:=V_S) # # START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE	L710	RR1_NR(V_S)	 (P)	 F=1, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_I02 Identifier:DL71_I02 Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL71_I1_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L710	RR1_NR(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	 (P) (P) I	 F=1 P=1, retransmit I P=1 Test not run
Extended Comments:Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request, and does not send a PDU or change state when a MDL_ERR_INDICATION(A) is generated.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_I03 Identifier:DL71_I03 Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_I1_SETUP (N_R:=V_S-1) !RR START Td ?I +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L710	RR1_NR(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	 I	 P=1 P=1, retransmit I P=1 Test not run
Extended Comments:Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_I04				
Identifier: DL71_I04				
Purpose: Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.1). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE !REJ(V_A:=V_S)		REJ1_NR(V_S)		F=1, N(R) set to v(S) of IUT
#				
#				
START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE	L710		(P)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S71/DL71_I05				
Identifier: DL71_I05				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)<N(R)<V(S). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_I1_SETUP (N_R:=V_S-1) !REJ START Td ?I	L710	REJ1_NR(N_R)		F=1 Retransmit I, P=don't care
#				
#				
+DL71_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	
			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_I06 Identifier:DL71_I06 Purpose:Verify that the IUT sends nothing in response to an RNR/F=1 response received in Multiple Frame Established state (7.1). The IUT is expected to enter Multiple Frame Established Peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
# +DL71_PREAMBLE !RNR(V_A:=V_S) # START T200 ?TIMEOUT T200 START Td ?RR !RR +DL75_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RR +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE	L710	RNR1_NR(V_S) RR1_UC(V_R) RR1_NR(V_S) RR1_UC(V_R) RR1_NR(V_S) +DL_POSTAMBLE	(P) (I) (I) (I) (F)	F=1, N(R) set to V(S) of IUT P=1 F=1 (I) (I) (I) F=1
Extended Comments:Q.921 Ref. 5.8.7 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S71/DL71_I07 Identifier:DL71_I07 Purpose:Verify that the IUT sends nothing in response to an RNR/F=1 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.1). The IUT is expected to enter Multiple Frame Established Peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
# [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL71_I1_SETUP (N_R:=V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RR !RR +DL75_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RR +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L710 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L710	RNR1_NR(N_R) RR1_UC(V_S) RR1_NR(V_S) RR1_UC(V_S) RR1_NR(V_S)	(P) (I) (I) (I) (F)	F=1, V(A)<=N (R)<V(A) P=1 F=1 P=1 F=1
Extended Comments:Q.921 Ref. 5.8.7 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

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Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S72/DL72_V04					
Identifier:DL72_V04					
Purpose:verify that the IUT does not send an I frame (queued) when V (S)=V(A)+k (window is closed) in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending no response.					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
#	[CAN_SEND_IFRAMES]				
#	+DL70_PREAMBLE				
	+DL72_WC_SETUP				
	START Td				
	?NR	L720	RR1_UC(V_R)		P=1,wait for IUT to poll
#	(N_R:=V_S)				P=1,ack all I frames
	!RR		RR1_NR(N_R)		P=0
	START Td				
	?I(N_R:=I.N_S)	L721	I0_UC(V_S, V_R)	(P)	
	(V_S:=V_S+1, N_R:				
#	:=V_S)		RR0_NR(N_R)		F=1
	!RR				
#	+DL72_VERIFICATION				
	+DL_POSTAMBLE				
	+DL72_UNEXPECTED				
	GOTO L721				
	?OTHERWISE			(F)	
	+DL_POSTAMBLE				
	?TIMEOUT Td			(F)	
	+DL_POSTAMBLE				
	+DL72_UNEXPECTED				
	GOTO L720				
	?OTHERWISE			(F)	
	+DL_POSTAMBLE				
	?TIMEOUT Td			(F)	
	+DL_POSTAMBLE				
	[NOT(CAN_SEND_IFRAMES)]			I	Test not run
#					

Continued on next page

Extended Comments:Q.921 Ref. 5.6.1
Executed if IUT is able to send I frame on request.

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V08 Identifier: DL72_V08 Purpose: Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame established state after sending the UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !SABME START T200 ?UA (V_S:=0,V_R:=0,V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720	SABME1_NC UA1_UR	(P) (F) (F)	P=1 F=1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V13 Identifier: DL72_V13 Purpose: Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Multiple Frame Established state (7.2). The IUT is expected to enter TEI Assigned state after send UA/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720	DISC_NC UA0_UR	(P) (F) (F)	P=0 F=0
Extended Comments: Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V14 Identifier: DL72_V14 Purpose: Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !DM START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720	DM0_NR SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V16				
Identifier:DL72_V16				
Purpose:Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !DM START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE	L720	DM1_NR	(P)	F=1
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V17				
Identifier:DL72_V17				
Purpose:Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !FRMR_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720	FRMR_RR1_NR SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V20				
Identifier:DL72_V20				
Purpose:Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !RR(V_A::=V_S) # # START T200 ?RNR +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720	RR1_NC(V_S) RNR1_UR(V_R)	 (P) (F) (F)	P=1, N(R) set to V(S) of IUT F=1
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V21				
Identifier:DL72_V21				
Purpose:Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !RR(V_A::=V_S) # # START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE	L720	RR0_NC(V_S)	 (P) (F)	P=0, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V23 Identifier:DL72_V23 Purpose:Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after send no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !RR(V_A::=V_S) START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE	L720	RR0_NR(V_S)	(P)	F=0, N(R) set to V(S) of IUT
# #				
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V24 Identifier:DL72_V24 Purpose:Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL72_2I_SETUP (N_R::=V_S-1) !RR(V_A::=N_R) START T200 ?RNR +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L720	RR1_NC(N_R) RNR1_UR(V_R)	(P) (F)	P=1 F=1
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send SAME on request.				

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V25				
Identifier: DL72_V25				
Purpose: Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL72_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I +DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)]	L720	RR0_NC(N_R) IL_UC(N_R, V_R) RNRL_UC(V_R)	 (P) (P) (F) (F) I	 P=0 P=1, retrans mit I frame P=1 Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

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4 Abstract Test Suite - Part I

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Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V26				
Identifier: DL72_V26				
Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL72_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I +DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)]	L720	RR0_NR(N_R) IL_UC(N_R, V_R) RNRL_UC(V_R)	 (P) (P) (F) (F) I	 F=0 P=1, retrans mit I Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V29				
Identifier:DL72_V29				
Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_I1_SETUP (N_R:=V_S-1) !RR START Td ?I +DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L720	RR0_NR(N_R) IL_UC(N_R, V_R) RNR1_UC(V_R)	 (P) (P) (F) (F) I	 F=0 P=1, retrans mit I P=1 Test not run
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

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Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V30				
Identifier:DL72_V30				
Purpose:Verify that the IUT sends an RNR/F=1 response in response to a REJ/P=1 command received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !REJ(V_A:=V_S) # # START T200 ?RNR +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720	REJ1_NC(V_S) RNR1_UR(V_R)	 (P) (F) (F)	 P=1, N(R) set to V(S) of IUT F=1
Extended Comments:Q.921 Ref. 5.6.4				

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Test Case Dynamic Behaviour				
Reference: LAPD MFO/S72/DL72_V11				
Identifier: DL72_V11				
Purpose: Verify that the IUT sends nothing in response to a REJ(P) command received in Multiple Frame Established state (/ 2). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE ?REJ(V_A::V_S)		REJ0 NR(V_S)		F=0, N(R) Set to V(S) or IUT
#				
#				
START TD ?TIMEOUT TD +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE	L720		(P)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD MFO/S72/DL72_V12				
Identifier: DL72_V12				
Purpose: Verify that the IUT does not respond to a REJ(P) response received in Multiple Frame Established state (/ 2). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE ?REJ(V_A::V_S)		REJ0 NR(V_S)		F=0, N(R) Set to V(S) or IUT
#				
#				
START TD ?TIMEOUT TD +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE	L720		(P)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V33 Identifier:DL72_V33 Purpose:Verify that the IUT sends an RNR/F=1 and retransmits an I frame in response to an REJ/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_1I_SETUP (N_R::=V_S-1) !REJ START T200 ?RNR START Td ?I	L720	REJ1_NC(N_R)	P=1	P=1
+DL72_VERIFICATION +DL_POSTAMBLE GOTO L721 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L721	IP_UC(N_R,V_R,?)	(P)	Retransmit I, P=don't care
#			(F)	
#			(F)	
			(F)	Test not run
Extended Comments:Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

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4 Abstract Test Suite - Part I

1002

Test Case Dynamic Behaviour					
Reference: LAPD-MFO-ST2-DL72_V35					
Identifier: DL72_V35					
Purpose: Verify that the IUT retransmits an I frame in response to an REJ F=0 response with V(A)=N(R)^(V(S) received in Multiple Frame Established state (7.2) . The IUT is expected to remain in Multiple Frame Established state after sending I Frame					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
(CAN_SEND_A_IFRAME) +DL70_PREAMBLE +DL72_11_SETUP (N_R: V_S 1) !REJ START Td ?1	L720	REJ0 NR(N_R) IP_UC(N_R,V_R ,?)	(P)	F=0 Retransmit I, P, don't care	
+DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))			(F) (F) I		Test not run
#					

Extended Comments: 0.921 Ref. 5.8.7
Executed if IUT is able to send I frame on request.

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S12/DL72 V16				
Identifier: DL72 V16				
Purpose: Verify that the IUT sends a RNR/F-1 in response to an RNR/P-1 received in Multiple Frame Established state (7.2). The IUT is expected to enter Multiple Frame Established Peer Busy state after send RNR/F 1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
*DL72_PREMABLE !RNR(V_A:: V_S)		RNR1_NC (V_S)		P=1, N(R) set to V(S) of IUT
START T200 ?RNR +DL76_VERIFICATION +DL_POSTMABLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTMABLE ?TIMEOUT T200 +DL_POSTMABLE	L720	RNR1_UR (V_R)	(P)	F=1
			(F)	

Extended Comments: Q.921 Ref. 5.6.5

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V37				
Identifier: DL72_V37				
Purpose: Verify that the IUT sends nothing in response to an RNR/P=0 received in Multiple Frame Established state (7.2). The IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !RNR(V_A::=V_S) # # START T200 ?TIMEOUT T200 START Td ?RNR !RR +DL76_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RR +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE	L720	RNR0_NC(V_S) RNR1_UC(V_R) RNR1_NR(V_S) RNR1_UC(V_S) RNR1_NR(V_S)	(P) (I) (I) (I) (F)	P=0, N(R) set to V(S) of IUT P=1 F=1 P=1 F=1
Extended Comments: Q.921 Ref. 5.6.5 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

4 Abstract Test Suite - Part I

1005

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V39				
Identifier: DL72_V39				
Purpose: Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.2). The IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !RNR(V_A::=V_S) # # START T200 ?TIMEOUT T200 START Td ?RNR !RR +DL76_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RR +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE	L720	RNR0_NR(V_S) RNR1_UC(V_R) RNR1_NR(V_S) RNR1_UC(V_R) RNR1_NR(V_S)	(P) (I) (I) (I) (F)	F=0, N(R) set to V(S) of IUT P=1 F=1 P=1 F=1
Extended Comments: Q.921 Ref. 5.6.5 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

4 Abstract Test Suite - Part I

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Test Case Dynamic Behaviour					
Reference: LAPD MFO/S72/ DL72 V40					
Identifier: DL72 V40					
Purpose: Verify that the IUT sends an RNR/F 1 in response to an RNR P 1 with V(A) < N(R)-V(S) received in Multiple Frame Established state (7.2). The IUT is expected to enter Multiple Frame Established peer Busy state after send RNR/F 1.					
Default:					
Behaviour	Description	Label	Constraints Reference	V	Comments
#	<pre>[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_1I_SETUP (N_R := V_S 1) :RNR START T200 ?RNR +DL76_VERIFICATION +DL_POSTABLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTABLE ?TIMEOUT T200 +DL_POSTABLE [NOT(CAN_SEND_A_IFRAME)]</pre>	L720	RNR1_NC(N_R) RNR1_UR(V_R)	(P) (F) (F) I	P 1, V(A) < N (R) < V(S) P 1 Test not run
Extended Comments: Q.921 Ref. 5.6.5					

Test Case Dynamic Behaviour				
Reference: LAMP/BFO/S72/DL72_V41				
Identifier: DL72_V41				
Purpose: Verify the the IUT sends nothing in response to an RNR/P=0 with V(A), NR(R)-V(S) received in Multiple Frame Established state (I,I). The IUT is expected to enter Multiple Frame Established peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_I1_SETUP (N_R:=V_S_1) !RRR		RNR0_NC(N_R)		P=0,V(A)<N (R)<V(S)
START T200 ?TIMEOUT T200 START Td ?RNR !RR	L720	RNR1_UC(V_R) RRL_NR(V_S)	(P)	P=1 F=1
# +DL70_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RR +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(I) (I) (I)	P=1 F=1
			(F)	Test not run
			I	

Extended Comments: Q.921 Ref. 5.6.5
Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V43 Identifier: DL72_V43 Purpose: Verify that the IUT does not respond to an RNR/F=0 response with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.2). the IUT is expected to enter Multiple Frame Established Peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_1I_SETUP (N_R:=V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RNR !RR #+DL76_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RR +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L720	RNR0_NR(N_R) RNR1_UC(V_R) RNR1_NR(V_S) RNR1_UC(V_R) RNR1_NR(V_S)	(P) (P) (I) (I) (I) (F) I	F=0, V(A) < N(R) < V(S) P=1 F=1 P=1 F=1 Test not run
Extended Comments: Q.921 Ref. 5.6.5 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V44 Identifier: DL72_V44 Purpose: Verify that the IUT sends an RNR/F=1 in response to an I frame received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !I (V_A:=V_S) # # # START T200 ?RNR +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720	IL_NC(V_R, V_S) RNR1_UR(V_R)	(P) (F) (F)	P=1, N(R) set to V_S, N(S) set to V(R) of IUT F=1
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case: Dynamic Behaviour			
Reference: LAPD_MF03S/2_DL72_V45 Identifier: DL72_V45 Purpose: Verify that the IUT sends nothing in response to an I_P_R received in Multiple Frame Established state (L2.2). The IUT is expected to remain in Multiple Frame Established state.			
Default:	Behaviour Description	Label	Constraint: Reference
#	*DL72_PREAMBLE		
#	11(V_A::V_S)		10 NC(V_R, V_S)
#			
#			
#	START TD		
	?TIMEOUT TD		
	+DL72_VERIFICATION		
	+DL_POSTAMBLE	L720	(P)
	+DL72_UNEXPECTED		
	GOTO L720		
	?OTHERWISE		
	+DL_POSTAMBLE		(F)

Extended Comments: Q.921 Ref. 5.6.2.2

Behaviour Description	Label	Constraints Reference	V	Comments
*DL72_PREAMBLE (N S:: V S:1) *1(V_A:: V_S)		11_NC(N_S, V_S)		P 1, N(R) set to V(S) , N(S) not set to V(R) of 10T
START T200 ?NRR *DL72_VERIFICATION *DL_POSTAMBLE *DL72_UNEXPECTED GOTO L720 ?OTHERWISE *DL_POSTAMBLE ?TIMEOUT T200 *DL_POSTAMBLE	L720	RNR1_UR(V_R)	(F)	F 1
			(F)	
			(F)	

Extended Comments: Q. 921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V47				
Identifier:DL72_V47				
Purpose:Verify that the IUT sends nothing in response to an I/P=0 with N(S)<>V(R) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Reject state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_S:=V_S+1) ! I (V_A:=V_S)		I0_NC(N_S, V_S)		P=0, N(R) set to V(S) , N(S) not set to V(R) of IUT
#				
#				
#				
#				
START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE GOTO L720 +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE	L720		(P)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V48				
Identifier:DL72_V48				
Purpose:Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{CAN_SEND_IFRAMES} +DL70_PREAMBLE +DL72_2I SETUP (N_R:=V_S-1) ! I		I1_NC(V_R, N_R)		P=1,V(A)<N (R)<V(S), N (S) set to V(R) of IUT
#				
#				
#				
START T200 ?RNR +DL72_VERIFICATION +DL_POSTAMBLE GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L720	RNR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V49				
Identifier: DL72_V49				
Purpose: Verify that the IUT sends nothing in response to an I/P=0 received with V(A)-N(R)-V(S) in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL72_21_SETUP (N_R::V_S-1) !I		10_NC(V_R, N_R)		P=0, V(A)-N (R)-V(S), N (S) set to V(R) of IUT
START T200 (T200value - ?TIMEOUT T200 START T200 ?RNR	L720	RNR1_UC(V_R)	(P)	P=1, Allow poll for T200 expiry
+DL82_VERIFICATION +DL_POSTAMBLE ?I		I1_UC(N_R, V_R)	(P)	P=1, Allow I for T200 expiry
+DL82_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE GOTO L720 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.2 Allow RNR or I due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V50				
Identifier: DL72_V50				
Purpose: Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)-N(R)-V(S) and N(S)-V(R) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL72_21_SETUP (N_R::V_S-1, N_S::V_R+1) !I		I1_NC(N_S, N_R)		P=1, V(A)-N (R)-V(S), N (S) not set to V(R) of IUT
START T200 ?RNR	L720	RNR1_UC(V_R)	(P)	F=1
+DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

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Allow RNR or I due to expiry of the IUT's T200.

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V52				
Identifier: DL72_V52				
Purpose: Verify that the IUT sends a RNR/P=1 in response to an I frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state after sending RNR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_II_SETUP (N_R:=V_S-1) ! I		IL_NC(V_R, N_R)		P=1, V(A)=N (R)<V(S), N (S) set to V(R) of IUT
START T200 ?RNR +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L720	RNR1_UR(V_R)	(P)	P=1
#				
#				
#				
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_V51				
Identifier: DL72_V51				
Purpose: Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL72_2I_SETUP (N_R:=V_S-1, N_S:=V_R+1) ! I		IO_NC(N_S, N_R)		P=0, V(A)<N (R)<V(S), N (S) not set to V(R) of IUT
START T200 (T200value - ?RNR +DL82_VERIFICATION +DL_POSTAMBLE ? I	L720	RNR1_UC(V_R, V_R)	(P)	P=1, Allow poll for T200 expiry
+DL82_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)]			(F)	
#				
#				
#				
Extended Comments: Q.921 Ref. 5.8.1				

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Test Case Dynamic Behaviour				
Reference: LAPD MFC 372 / DL72 V53 Identifier: DL72 V53				
Purpose: Verify that the IUT sends nothing in response to an ILL=0 received with V(A) N(R) < V(S) in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_IL_SETUP (N_R:: V_S-1) ;I		IL_NC(V_R, N_R)		P=0, V(A)=N (R) < V(S), N (S) set to V(R) of IUT
START T200 (T200value ?TIMEOUT T200 START T200 ?RNR	L720	RNR1_UC(V_R)	(P)	P=1, Allow poll for T200 expiry
+DL82_VERIFICATION +DL_POSTAMBLE ?I		IL_UC(N_R, V_R)	(P)	P=1, Allow I for T200 expiry
+DL82_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE GOTO L720 ?OTHERWISE +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))			(F)	
			(F)	
			(F)	I Test not run
Extended Comments: Q.921 Ref. 5.6.2.2 Allow RNR or I due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference: LAPD MFC 372 / DL72 V54 Identifier: DL72 V54				
Purpose: Verify that the IUT sends a RNR/F=1 in response to an ILL=1 frame with V(A) N(R) < V(S) and N(S) < V(R) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state after sending RNR F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_IL_SETUP (N_R:: V_S-1, N_S:: V_R+1) ;I		IL_NC(N_S, N_R)		P=1, V(A)=N (R) < V(S), N (S) not set to V(R) of IUT
START T200 ?RNR +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))	L720	RNR1_UC(V_R)	(F)	F=1
			(F)	
			(F)	I Test not run
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V55				
Identifier:DL72_V55				
Purpose:Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)=N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established Own Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_1I_SETUP (N_S::=V_S-1,N_S::=V_R+1) ! I		I0_NC(N_S, N_R)		P=0,V(A)=N (R)<V(S), N (S) not set to V(R) of IUT
#				
#				
#				
#				
#DELTA)				
START T200 (T200value -				
?TIMEOUT T200 START T200	L720	RNR1_UC(V_R)	(P)	P=1,Allow poll for T200 expiry
?RNR				
+DL82_VERIFICATION +DL_POSTAMBLE				
? I				
+DL82_VERIFICATION +DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
+DL72_UNEXPECTED				
GOTO L720				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
[NOT(CAN_SEND_A_IFRAME)]			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

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Allow RNR or I due to expiry of the IUT's T200.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_V56				
Identifier:DL72_V56				
Purpose:Verify that the IUT sends an RNR/P=1 or I/P=1 after a T200 timeout in Multiple Frame Established state (7.2). The IUT is expected to enter Timer Recovery state after sending RNR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL72_PREAMBLE +DL72_1I_SETUP (N_S::=V_S-1) START Td				
? I	L720	I1_UC(N_S, V_R)	(P)	P=1
+DL82_VERIFICATION +DL_POSTAMBLE				
?RNR				
+DL82_VERIFICATION +DL_POSTAMBLE		RNR1_UC(V_R)	(P)	P=1
+DL72_UNEXPECTED GOTO L720				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT Td				
+DL_POSTAMBLE			(F)	
[NOT(CAN_SEND_A_IFRAME)]			I	Test not run
#				
Extended Comments:Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S/2/PL/2_V57 Identifier: DL/2_V57				
Purpose: Verify that the IUT sends an RNR P.1 after a T203 timeout occurs in Multiple Frame Established state (7.2). The IUT is expected to enter Timer Recovery state after sending RNR/F.1.				
Default: NR/F.0				
Behaviour Description	Label	Constraints Reference	V	Comments
[T203_IMPLEMENTED] +DL72_PREAMBLE START T203 ?TIMEOUT T203 START Td ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L721 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE [NOT(T203_IMPLEMENTED)]	L720	RNR_UC(V_R)	(F)	P=0
	L721			
			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run
#				
Extended Comments: Q.921 Ref. 5.10.3.3 Executed if IUT implements T203 timer.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S/2/PL/2_V59 Identifier: DL/2_V59				
Purpose: Verify that the IUT sends an RR/F.0 when it clears OWN BUSY in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RR/F.0				
Default: NR/F.0				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_CLR_OWN_BUSY] +DL72_PREAMBLE +IUT(CLEAR_OWN_BUSY) START Tdpr ?RR +DL70_VERIFICATION +DL_POSTAMBLE ?RR +DL70_VERIFICATION +DL_POSTAMBLE ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Tdpr +DL_POSTAMBLE [NOT(CAN_CLR_OWN_BUSY)]	L720	RR0_UC(V_R)	(P)	F=0
		RR1_UC(V_R)	(P)	P=1
		RR0_UC(V_R)	(P)	P=0
			(F)	
			(F)	
			I	Test not run
#				
Extended Comments: Q.921 Ref. 5.6.6 Executed if IUT is able to clear own busy on request.				

[illegible]

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_N02 Identifier:DL72_N02 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/P=0 command with an N(R) error received in Multiple frame Established state (7.2). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_R::=V_S+(K+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720	RR0_NC(N_R) SABME_UC	(P) (F) (F)	P=0 P=1

Extended Comments:Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference: LAPD/RFO/S72/DL72_N04				
Identifier: DL72_N04				
Purpose: Verify that the IUT sends a SABME/P-1 in response to an RR/P-1 response with an N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P-1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_R := V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	RR1_NR(N_R) SABME1_UC	 (P)	 (P) (F) (F)
Extended Comments: O.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/RFO/S72/DL72_N04				
Identifier: DL72_N04				
Purpose: Verify that the IUT sends a SABME/P-1 in response to an RR/P-0 with an N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P-1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_R := V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	RR0_NR(N_R) SABME1_UC	 (P)	 (P) (F) (F)
Extended Comments: O.921 Ref. 5.8.2				

[illegible]

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N06 Identifier: DL72_N06 Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 command with an N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_R::=V_S+(K+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720	REJ0_NC(N_R) SABME1_UC	 (P)	P=0 P=1
			(F) (F)	

Extended Comments: Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N07 Identifier: DL72_N07 Purpose: Verify that the IUT sends a SABME/P-1 in response to a REJ/P-1 Response with an N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P-1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_R := V_S + (K+1)) !REJ START TD ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT TD +DL_POSTAMBLE	L720	REJ1_NR(N_R) SABME1_UC	(P) (F) (F)	F 1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N08 Identifier: DL72_N08 Purpose: Verify that the IUT sends a SABME/P-1 in response to a REJ/P=0 Response with an N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_R := V_S + (K+1)) !REJ START TD ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT TD +DL_POSTAMBLE	L720	REJ0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N09 Identifier: DL72_N09 Purpose: Verify that the IUT sends an RNR/P=1 and a SABME/P=1 in response to an RNR/P=1 command with a N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_R::=V_S+(K+1)) !RNR START T200 ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L721 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720 L721	RNR1_NC(N_R) RNR1_UR(V_R) SABME1_UC SABME1_UC	 (P) (F) (F) (P) (F) (F)	P=1 P=1 P=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N11 Identifier: DL72_N11 Purpose: Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_R::V_S+(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720	RNR1_NR(N_R) SABME1_UC	(P) (P) (F) (F)	F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N12 Identifier: DL72_N12 Purpose: Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_R::V_S+(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L720	RNR0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N13 Identifier: DL72_N13 Purpose: Verify that the IUT sends an RNR/P=1 and a SABME/P=1 in response to an I/P=1 Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_R::=V_S+(K+1)) !I		I1_NC(V_R, N_R)		P=1
#				
START T200				
?RNR				
START Td	L720	RNR1_UR(V_R)		F=1
?SABME	L721	SABME1_UC	(P)	P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL72_UNEXPECTED				
GOTO L721				
?OTHERWISE				(F)
+DL_POSTAMBLE				
?TIMEOUT Td				(F)
+DL_POSTAMBLE				
?SABME				
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL72_UNEXPECTED				
GOTO L720				
?OTHERWISE				(F)
+DL_POSTAMBLE				
?TIMEOUT T200				(F)
+DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N14 Identifier: DL72_N14 Purpose: Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_R::=V_S+(K+1)) !I		I0_NC(V_R, N_R)		P=0
#				
(V_R::=V_R+1)				
START Td				
?SABME	L720	SABME1_UC	(P)	P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL72_UNEXPECTED				
GOTO L720				
?OTHERWISE				(F)
+DL_POSTAMBLE				
?TIMEOUT Td				(F)
+DL_POSTAMBLE				
Extended Comments: LQ.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N15				
Identifier: DL72_N15				
Purpose: Verify that the IUT sends an RNR/F-1 and sends a SARMF/P-1 in response to an I/P-1 with an N(R) error and N(S) V(R) received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SARMF/P-1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_S::V_R+1,N_R::V_S+(K+1)) !!		11_NC(N_S, N_R)		F-1
#				
START T200				
?RNR	L720	RNR1_UC(V_R)		F-1
START T3				
?SARME	L721	SARME1_UC	(P)	P-1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL72_UNEXPECTED				
GOTO L721				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T4				
+DL_POSTAMBLE				(F)
?SARME				
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL72_UNEXPECTED				
GOTO L720				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N16				
Identifier: DL72_N16				
Purpose: Verify that the IUT sends a SARMF/P-1 in response to an I/P-0 with an N(R) error and N(S) V(R) received in Multiple Frame Established state (7.2). The IUT is expected to Awaiting Establishment state after sending SARMF/P-1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_S::V_R+1,N_R::V_S+(K+1)) !!		10_NC(N_S, N_R)		P-0
#				
START T200				
?SARME	L720	SARME1_UC	(P)	P-1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL72_UNEXPECTED				
GOTO L720				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N17				
Identifier: DL72_N17				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	SABME_TL1_NC SABME1_UC	(P)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N18				
Identifier: DL72_N18				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !DISC_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	DISC_TL1_NC SABME1_UC	(P)	P=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case: Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N19				
Identifier: DL72_N19				
Purpose: Verify that the IUT sends a SARME/P 1 in response to a UA of incorrect length received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SARME/P 1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !UA_TL START Td ?SARME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	UA_TL_NR SARME1_UC	(P) (F) (F)	F-1 P-1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case: Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N20				
Identifier: DL72_N20				
Purpose: Verify that the IUT sends a SARME/P 1 in response to a DM of incorrect length received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SARME/P 1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !DM_TL START Td ?SARME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	DM_TL_NR SARME1_UC	 (P) (F) (F)	F-1 P-1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_N21				
Identifier:DL72_N21				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR of incorrect length received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !FRMR_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	FRMR_TL1_NR SABME1_UC	 (P)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_N22				
Identifier:DL72_N22				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR of incorrect length received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !RR_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	RR_TL1_NC (V_S) SABME1_UC	 (P)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD MFO/S72/DL72_N3 Identifier:DL72_N3 Purpose:Verify that the IUT sends a SABME/P 1 in response to an RNR of incorrect length received in Multiple Frame Established state (7.2). the IUT is expected to enter Awaiting Establishment state after sending SABME/P 1. Default :				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE :RNR_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	RNR_TL1_NC (V_S) SABME1_UC	 (P)	 P 1 P 1
Extended Comments:O.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD MFO/S72/DL72_N24 Identifier:DL72_N24 Purpose:Verify that the IUT sends a SABME/P 1 in response to a REJ of incorrect length received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P 1. Default :				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE :REJ_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	REJ_TL1_NC (V_S) SABME1_UC	 (P)	 P=1 P=1
Extended Comments:O.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_N25				
Identifier:DL72_N25				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !I_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	I_TL1_NC(V_R, V_S) SABME1_UC	(P) (F) (F)	 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_N26				
Identifier:DL72_N26				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an undefined command received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !UNDEF START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	UNDEF1_NC SABME1_UC	 (P) (F) (F)	 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_N27				
Identifier: DL72_N27				
Purpose: Verify that the IUT sends a SABME/P-1 in response to a frame with an invalid I field received in Multiple Frame Established state (7.2). The IUT is expected to enter Awaiting Establishment state after sending SABME/P-1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L720	SABME_TL1_NC SABME1_UC	(P) (P)	P 1 P 1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_I01				
Identifier: DL72_I01				
Purpose: Verify that the IUT does not respond to an RR/P=1 response received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !RR(V_A:: V_S) # # START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE	L720	RR1_MR(V_S)	(P)	P 1, N(R) Set to V(S) of IUT
Extended Comments: Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_I02 Identifier:DL72_I02 Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL72_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I +DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L720	RR1_NR(N_R) I1_UC(N_R, V_R) RNR1_UC(V_R)	 (P) (P) I	 F=1 P=1, retransmit I P=1 Test not run
#				
Extended Comments:Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request, and does not send a PDU or change state when a MDL_ERR_INDICATION(A) is generated.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S72/DL72_I03 Identifier:DL72_I03 Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_1I_SETUP (N_R:=V_S-1) !RR START Td ?I +DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L720	RR1_NR(N_R) I1_UC(N_R, V_R) RNR1_UC(V_R)	 I	 Test not run
#				
Extended Comments:Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S72/DL72_I04				
Identifier: DL72_I04				
Purpose: Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !REJ(V_A:=V_S)		REJ1_NR(V_S)		F 1, N(R) set to V(S) of IUT
#				
#				
START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE	L720		(P)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S72/DL72_I05				
Identifier: DL72_I05				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)<N(R)<V(S). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_I1_SETUP (N_R:=V_S-1) !REJ START Td ?I				
#				
#				
+DL72_VERIFICATION +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L720	REJ1_NR(N_R) IP_UC(N_R,V_R, ,?)	(P)	F=1 Retransmit I, P=don't care
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_I06				
Identifier: DL72_I06				
Purpose: Verify that the IUT sends nothing in response to an RNR/F=1 response received in Multiple Frame Established state (7.2). The IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !RNR(V_A::=V_S) # # START T200 ?TIMEOUT T200 START Td ?RNR !RR +DL76_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RR +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE	L720	RNR1_NR(V_S) RNR1_UC(V_R) RNR1_NR(V_S)	(P) (I) (I) (I) (F)	F=1, N(R) set to V(S) of IUT P=1 F=1
Extended Comments: Q.921 Ref. 5.8.7 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S72/DL72_I07				
Identifier: DL72_I07				
Purpose: Verify that the IUT sends nothing in response to an RNR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.2). The IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL72_I1_SETUP (N_R::=V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RNR !RR # +DL76_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RR +DL_POSTAMBLE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #	L720	RNR1_NR(N_R) RNR1_UC(V_S) RNR1_NR(V_S)	(I) (I) (I) (F)	F=1, V(A)<N (R)<V(A) P=1 F=1 P=1 F=1 Test not run
Extended Comments: Q.921 Ref. 5.8.7 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

[illegible]

Test Case Dynamic Behaviour					
Reference: LAPD/MFO/S73/DL73_V03					
Identifier: DL73_V03					
Purpose: Verify that the IUT sends an I frame when V(S)-V(A)+k (ie, window is open) in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending an I frame.					
Default:					
#	Behaviour Description	Label	Constraints Reference	V	Comments
	[CAN_SEND_A_IFRAME] +DL73_PREAMBLE ->IUT1> START_Topr ?I (V.S::=V.S+1) +DL73_VERIFICATION +DL_POSTAMBLE ?NRN ?NR GOTO L730 +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT_Topr +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L730	I0_UC(V_S, V_R)	(P)	P=0
			RNR1_UC(V_R) RNR1_NR(V_S)		P=1 F=1
				(F)	
				(F)	
				I	Test not run
Extended Comments: Q.921 Ref. 5.6.1 Executed if IUT is able to send I frame on request.					

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V04				
Identifier:DL73_V04				
Purpose:verify that the IUT does not send an I frame (queued) when V(S)=V(A)+k (window is closed) in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL73_WC_SETUP START Td ?RNR (N_R:=V_S) !RR	L730	RNR1_UC(V_R)		P=1
# START Td ?I(N_R:=I.N_S) (V_S:=V_S+1, N_R: !RR	L731	IO_UC(V_S, V_R)	(P)	P=0 F=1,ack all I frames
#:=V_S) +DL73_VERIFICATION #+DL_POSTAMBLE +DL73_UNEXPECTED GOTO L731 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]		RR0_NR(N_R)		F=0
#			(F)	I Test not run
Extended Comments:Q.921 Ref. 5.6.1				

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Executed if IUT is able to send I frame on request.

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Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V08				
Identifier:DL73_V08				
Purpose:Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending the UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !SABME START T200 ?UA (V_S:=0,V_R:=0,V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	SABME1_NC UAL_UR	(P)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V10 Identifier:DL73_V10 Purpose:Verify that the IUT sends a UA/F 0 in response to a SARME/P 0 received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending UA/F 0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !SARME START T200 ?UA (V_S:=0,V_R:=0,V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	SARME0_NC UA0_UK	P 0 (F) (F) (F)	P 0 F 0
Extended Comments:Q.921 Ref. 5.5.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V12 Identifier:DL73_V12 Purpose:Verify that the IUT sends a UA/F 1 in response to a DISC/P 1 received in Multiple Frame Established state (7.3). The IUT is expected to enter TEI Assigned state after sending UA/F 1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	DISC1_NC UA1_UK	(F) (F) (F)	P 1 P 1
Extended Comments:Q.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V13				
Identifier:DL73_V13				
Purpose:Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Multiple Frame Established state (7.3). The IUT is expected to enter TEI Assigned state after sending UA/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	DISC0_NC UA0_UR	(P)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V14				
Identifier:DL73_V14				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !DM START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	DM0_NR SABME1_UC	(P)	F=0 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V16				
Identifier:DL73_V16				
Purpose:Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !DM START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE	L730	DM1_NR	(P)	F=1
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V17				
Identifier:DL73_V17				
Purpose:Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !FRMR RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	FRMR_RR1_NR SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V20				
Identifier:DL73_V20				
Purpose:Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !RR(V_A:=V_S)		RR1_NC(V_S)		P=1, N(R) set to V(S) of IUT
# # START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	RNR1_OR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V21				
Identifier:DL73_V21				
Purpose:Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !RR(V_A:=V_S)		RR0_NC(V_S)		P=0, N(R) set to V(S) of IUT
# # START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE	L730		(P)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S73/DL73_V23				
Identifier: DL73_V23				
Purpose: Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after send no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !RR(V_A::=V_S)		RR0_NR(V_S)		F=0, N(R) set to V(S) of IUT
#				
#				
START TD ?TIMEOUT T1 +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE	L730		(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S73/DL73_V24				
Identifier: DL73_V24				
Purpose: Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command with V(A)-N(R)-V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL73_21_SETUP (N_R::=V_S-1) !RR(V_A::=N_R) START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L730	RR1_NC(N_R) RNR1_UR(V_R)	(F) (F)	P=1 F=1
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send SAME on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V25 Identifier:DL73_V25 Purpose:Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL73_2I_SETUP (N_R: :=V_S-1) !RR(V_A: :=N_R) START Td ?I +DL83_VERIFICATION +DL_POSTAMBLE ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L730	RR0_NC(N_R) IL_UC(N_R, V_R) RNRL_UC(V_R)	P=0 (P) (P) (F) (F) I	P=0 P=1, retrans mit I frame P=1 Test not run
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V26 Identifier:DL73_V26 Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL73_2I_SETUP (N_R: :=V_S-1) !RR(V_A: :=N_R) START Td ?I +DL83_VERIFICATION +DL_POSTAMBLE ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L730	RR0_NR(N_R) IL_UC(N_R, V_R) RNRL_UC(V_R)	(P) (P) (F) (F) I	F=0 P=1, retrans mit I P=1 Test not run
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V27 Identifier: DL73_V27 Purpose: Verify that the IUT sends an RNR/F 1 in response to an RR/P 1 command with V(A)-N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending the I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_I1_SETUP (N_R:=V_S-1) !RR START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L730	RR1_NC(N_R) RNR1_UC(V_R)	(P) (F) (F) I	P 1 F 1 Test not run
# Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V28 Identifier: DL73_V28 Purpose: Verify that the IUT retransmits an I frame in response to an RR/P 0 command with V(A)-N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_I1_SETUP (N_R:=V_S-1) !RR START T1 ?I +DL83_VERIFICATION +DL_POSTAMBLE ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L730	RR0_NC(N_R) I1_UC(N_R, V_R) RNR1_UC(V_R)	(P) (P) (P) (F) (F) I	P=0 P 1, retransmit I frame P=1 Test not run
# Extended Comments: Q.921 Ref. 5.6.5 Executed if the IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V29				
Identifier:DL73_V29				
Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_IL_SETUP (N_R::=V_S-1) !RR START Td ?I # +DL83_VERIFICATION +DL_POSTAMBLE ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #	L730	RR0_NR(N_R) IL_UC(N_R, V_R) RNR1_UC(V_R)	 (P) (P) (F) (F) I	 F=0 P=1, retrans mit I P=1 Test not run
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V30				
Identifier:DL73_V30				
Purpose:Verify that the IUT sends an RNR/F=1 response in response to a REJ/P=1 command received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !REJ(V_A::=V_S) # # START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	REJ1_NC(V_S) RNR1_UR(V_R)	 (P) (F) (F)	 P=1, N(R) set to V(S) of IUT F=1
Extended Comments:Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S73/DL73_V31 Identifier:DL73_V31 Purpose:Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !REJ(V_A::=V_S) # # START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE	L730	REJ0_NC(V_S)	(P) (F)	P=0, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S73/DL73_V32 Identifier:DL73_V32 Purpose:Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !REJ(V_A::=V_S) # # START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE	L730	REJ0_NR(V_S)	 (P) (F)	F=0, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V33				
Identifier: DL73_V33				
Purpose: Verify that the IUT sends an RNR/F=1 and retransmits an I frame in response to an REJ/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_II_SETUP (N_R:=V_S-1) !REJ START T200 ?RNR START T3 ?I	L730	REJ1_NC(N_R)		P=1
	L731	RNR1_UR(V_R)	(P)	F=1 Retransmit I, P=don't care
+DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L731 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		IP_UC(N_R,V_R, ,?)	(F) (F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V34				
Identifier: DL73_V34				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_II_SETUP (N_R:=V_S-1) !REJ START T3 ?I	L730	REJ0_NC(N_R)		P=0
+DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		IP_UC(N_R,V_R, ,?)	(P) (F) (F)	Retransmit I, P=don't care
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V35				
Identifier: DL73_V35				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F=0 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I Frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_I1_SETUP (N_R::=V_S-1) !REJ START Td ?I # #	L730	REJ0_NR(N_R) IP_UC(N_R,V_R, ,?)	(P)	F=0 Retransmit I, P=don't care
+DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME)) #			(F) (F) I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V36				
Identifier: DL73_V36				
Purpose: Verify that the IUT sends a RNR/F=1 in response to an RNR/P.1 received in Multiple Frame Established state (7.3). The IUT is expected to enter Multiple Frame Established peer busy state after send RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !RNR(V_A::=V_S) # # START T200 ?RNR +DL77_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	RNR1_NC(V_S) RNR1_UR(V_R)	(P)	P=1, N(R) set to V(S) of IUT F=1
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V37				
Identifier:DL73_V37				
Purpose:Verify that the IUT sends nothing in response to an RNR/P=0 received in Multiple Frame Established state (7.3). The IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
# # +DL73_PREMABLE !RNR(V_A::=V_S) START T200 ?TIMEOUT T200 START Td ?RNR !RR +DL77_VERIFICATION +DL_POSTMABLE ?OTHERWISE +DL_POSTMABLE ?TIMEOUT Td +DL_POSTMABLE ?RNR !RR +DL_POSTMABLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTMABLE	L730	RNRQ_NC(V_S) RNR1_UC(V_R) RRL_NR(V_S) RNR1_UC(V_S) RRL_NR(V_S)	(P) (I) (I) (I)	P=0, N(R) set to V(S) of IUT P=1 P=1 P=1 P=1
Extended Comments:Q.921 Ref. 5.6.5				
Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V39 Identifier:DL73_V39 Purpose:Verify that the IUT does not respond to an RNR/P=0 response received in Multiple Frame Established state (7.3). the IUT is expected to enter Multiple Frame Established Peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !RNR(V_A:=V_S) START T200 ?TIMEOUT T200 START Td ?RNR !RR +DL77_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RR +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE	L730	RNR0_NR(V_S) RNR1_UC(V_R) RNR1_NR(V_S) RNR1_UC(V_R) RNR1_NR(V_S)	(P) (I) (I) (I)	P=0, N(R) set to V(S) of IUT P=1 P=1 P=1 P=1
			(F)	
Extended Comments:Q.921 Ref. 5.6.5 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case: Dynamic Behaviour				
Reference: LAPD/WFO/S/3/DL73_V40				
Identifier: DL73_V40				
Purpose: Verify that the IUT sends an RNR/F=1 in response to an RNR/P=1 with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to enter Multiple Frame Established peer Busy state after send RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_I1_SETUP (N_R:=V_S-1) !RNR START T200 ?RNR +DL77_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>	L730	RNR1_NC(N_R)	(P)	P=1,V(A)=N(R)<V(S)
		RNR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run

#

Extended Comments: Q.921 Ref. 5.6.5

Test Case: Dynamic Behaviour				
Reference::LAPD/WFO/S73/DL73_V41 Identifier::DL73_V41 Purpose::Verify the IUT sends nothing in response to an RNR(p=0 with V(A)<N(R)-V(S) received in Multiple Frame Established state (7.3). The IUT is expected to enter Multiple Frame Established Peer Busy state. Default::				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_I1_SETUP (N_R := V_S-1) !RNR </pre>	L730	RNR0_NC(N_R)		P=0, V(A)<N(R)<V(S)
<pre> # START T200 ?TIMEOUT T200 START Td ?RNR !RR </pre>		RNR1_UC(V_R) RR1_NR(V_S)	(P)	P=1 F=1
<pre> # +DL77_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RR +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>		RNR1_UC(V_R) RR1_NR(V_S)	(I) (I) (I)	P=1 F=1
<pre> # </pre>			(F) I	Test not run
Extended Comments:Q.921 Ref. 5.6.5 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V43				
Identifier: DL73_V43				
Purpose: Verify that the IUT does not respond to an RNR/F=0 response with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.3). the IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_1I_SETUP (N_R::=V_S-1) !RNR				
#				
START T200 ?TIMEOUT T200 START Td ?RNR !RR	L730	RNR0_NR(N_R)		$F=0, V(A) < N(R) < V(S)$
#+DL77_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RR +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE {NOT(CAN_SEND_A_IFRAME)}		RNR1_UC(V_R) RNR1_NR(V_S)	(P)	P=1 F=1
#				
		RNR1_UC(V_R) RNR1_NR(V_S)	(I)	P=1 F=1
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.5 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V44				
Identifier: DL73_V44				
Purpose: Verify that the IUT sends an RNR/F=1 in response to an I frame received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !I(V_A::=V_S)		IL_NC(V_R, V_S)		P=1, N(R) set to V_S, N(S) set to V(R) of IUT
#				
#				
#				
START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	RNR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V45				
Identifier: DL73_V45				
Purpose: Verify that the IUT sends nothing in response to an I/P 0 received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE ! I(V_A::=V_S)		IO_NC(V_R, V_S)		P=0, N(R) set to V(R) , N(S) set to V(R) of IUT
# # # # #				
START T3 ?TIMEOUT T3 +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE	L730		(P)	
			(F)	
Extended Comments: O.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V46				
Identifier: DL73_V46				
Purpose: Verify that the IUT sends an RNR/F=1 in response to an I/P=1 with N(S)>V(R) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_S:: V_S+1) ! I(V_A:: V_S)		II_NC(N_S, V_S)		P=1, N(R) set to V(S) , N(S) not set to V(R) of IUT
# # # # #				
START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	RNR1_UR(V_R)	(P)	F=1
			(P)	
			(F)	
Extended Comments: O.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V47				
Identifier:DL73_V47				
Purpose:Verify that the IUT sends nothing in response to an I/P=0 with N(S)<V(R) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_S:=V_S+1) !I(V_A:=V_S)		I0_NC(N_S, V_S)		P=0, N(R) set to V(S) , N(S) not set to V(R) of IUT
#				
#				
#				
#				
START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE	L730		(P)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V48				
Identifier:DL73_V48				
Purpose:Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject recovery & Own Busy state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL73_2I_SETUP (N_R:=V_S-1) !I		IL_NC(V_R, N_R)		P=1,V(A)<N (R)<V(S), N (S) set to V(R) of IUT
#				
#				
#				
START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	RNR1_UR(V_R)	(P)	F=1
[NOT (CAN_SEND_IFRAMES)]			(F)	
#			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V49 Identifier: DL73_V49 Purpose: Verify that the IUT sends nothing in response to an I/P=0 received with V(A)<N(R)<V(S) in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject Recovery & Own Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL73_2I_SETUP (N_R:=V_S-1) ;I # # # #DELTA START T200 (T200value - ?TIMEOUT T200 START T200 ?RNR +DL83_VERIFICATION +DL_POSTAMBLE ?I +DL83_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)] #	L730	I0_NC (V_R, N_R) RNR1_UC (V_R) I1_UC (N_R, V_R)	(P) (P) (F) (F) (F)	P=0, V(A)<N (R)<V(S), N (S) set to V(R) of IUT P=1, Allow poll for T200 expiry P=1, Allow I for T200 expiry Test not run
Extended Comments: Q.921 Ref. 5.6.2.2 Allow for RNR or I due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V50 Identifier: DL73_V50 Purpose: Verify that the IUT sends a RNR/F 1 in response to an I/P=1 frame with V(A)<N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject Recovery & Own Busy state after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL73_2I_SETUP (N_R:=V_S-1, N_S:=V_R+1) ;I # # # # START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)] #	L730	I1_NC (N_S, N_R) RNR1_UR (V_R)	(P) (F) (F) I	P=1, V(A)<N (R)<V(S), N (S) not set to V(R) of IUT F=1 Test not run
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V51 Identifier:DL73_V51 Purpose:Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)<N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject Recovery & Own Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL73_2I_SETUP (N_R:=V_S-1,N_S:=V_R+1) !I # # # # #DELTA)		I0_NC(N_S, N_R)		P=0,V(A)<N (R)<V(S), N (S) not set to V(R) of IUT
START T200 (T200value - ?TIMEOUT T200 START T200 ?RNR	L730	RNR1_UC(V_R)	(P)	P=1,Allow poll for T200 expiry
+DL83_VERIFICATION +DL_POSTAMBLE ?I		I1_UC(N_R, V_R)	(P)	P=1,Allow I
+DL83_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE			(F)	
[NOT(CAN_SEND_IFRAMES)]			(F)	
Extended Comments:Q.921 Ref. 5.8.1				

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Allow for RNR or I due to expiry of the IUT's T200.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_V52 Identifier:DL73_V52 Purpose:Verify that the IUT sends a RNR/F=1 in response to an I frame with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject recovery & Own Busy state after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_1I_SETUP (N_R:=V_S-1) !I # # #		I1_NC(V_R, N_R)		P=1,V(A)=N (R)<V(S), N (S) set to V(R) of IUT
START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L730	RNR1_UC(V_R)	(P)	F=1
#			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V53 Identifier: DL73_V53 Purpose: Verify that the IUT sends nothing in response to an I/P=0 received with V(A) N(R)<V(S) in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject Recovery & Own Busy State. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_I1_SETUP (N_R::=V_S-1) !I		I0_NC(V_R, N_R)		P=0, V(A)=N (R)<V(S), N (S) set to V(R) of IUT
START T200 (T200value - ?TIMEOUT T200 START T200 ?RNR	L730	RNR1_UC(V_R)	(P)	P=1, Allow poll for T200 expiry
+DL83_VERIFICATION +DL_POSTAMBLE ?I		I1_UC(N_R, V_R)	(P)	P=1, Allow I for T200 expiry
+DL83_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.2 Allow for RNR or I due to expiry of the IUT's T200.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V54 Identifier: DL73_V54 Purpose: Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A) N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject recovery & Own Busy state after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_I1_SETUP (N_R::=V_S-1, N_S::=V_R+1) !I		I1_NC(N_S, N_R)		P=1, V(A)=N (R)<V(S), N (S) not set to V(R) of IUT
START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L730	RNR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

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Allow for RNR or I due to expiry of the IUT's T200.

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V56				
Identifier: DL73_V56				
Purpose: Verify that the IUT sends an RNR/P=1 or I/P=1 after a T200 timeout in Multiple Frame Established state (7.3). The IUT is expected to enter Timer Recovery state after sending RNR/P=1 or I/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL73_PREAMBLE +DL73_1I_SETUP (N_S:=V_S-1) START Td ?I	L730	IL_UC(N_S, V_R)	(P)	P=1
#				
+DL83_VERIFICATION +DL_POSTAMBLE ?RNR		RNR1_UC(V_R)	(P)	P=1
#				
+DL83_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	Test not run
#				
Extended Comments: Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V55				
Identifier: DL73_V55				
Purpose: Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established Reject Recovery & Own Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_1I_SETUP (N_R:=V_S-1, N_S:=V_R+1) !I		IO_NC(N_S, N_R)		P=0, V(A)=N (R)<V(S), N (S) not set to V(R) of IUT
#				
#				
#				
#				
#DELTA				
START T200 (T200value - ?TIMEOUT T200 START T200 ?RNR	L730	RNR1_UC(V_R)	(P)	P=1, Allow poll for T200 expiry
#				
#				
+DL83_VERIFICATION +DL_POSTAMBLE ?I		IL_UC(N_R, V_R)	(P)	P=1, Allow I
#				
+DL83_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	
#				
			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

Continued on next page

[illegible]

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_V59				
Identifier: DL73_V59				
Purpose: Verify that the IUT sends an RR/F=0 when it clears OWN_BUSY in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{CAN_CLR_OWN_BUSY} +DL73_PREAMBLE <IUT!CLEAR_OWN_BUSY> START Topr ?RR +DL71_VERIFICATION +DL_POSTAMBLE ?RR +DL70_VERIFICATION +DL_POSTAMBLE ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_CLR_OWN_BUSY)]	L730	RR0_UR(V_R) RR1_UC(V_R) RR0_UC(V_R)	(F) (F) (F) (F) I	F=0 P=1 P=0 Test not run
#				
Extended Comments: Q.921 Ref. 5.6.6 Executed if IUT is able to clear own busy on request.				

[illegible]

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_N02				
Identifier: DL73_N02				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an RR/P=0 command with an N(R) error received in Multiple frame Established state (7.3). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_R:=V_S*(K+1)) !RR		RR0_NC(N_R)		P=0
START T200				
?SABME				P=1
+DL51_VERIFICATION	L730	SABME1_UC	(P)	
+DL_POSTAMBLE				
+DL73_UNEXPECTED				
GOTO L730				
?OTHERWISE				
+DL_POSTAMBLE			(F)	
?TIMEOUT T200				
+DL_POSTAMBLE			(F)	

Extended Comments: Q.921 Ref. 5.8.2

I APD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_N03 Identifier: DL73_N03 Purpose: Verify that the IUT sends a SABME/P=1 in response to an RR/F=1 response with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_R:=-V_S*(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	RR1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

I APD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_N04 Identifier: DL73_N04 Purpose: Verify that the IUT sends a SABME/P=1 in response to an RR/F=0 with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_R:=-V_S*(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	RR0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

[illegible]

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_N06				
Identifier: DL73_N06				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 command with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREMABLE (N_R::=V_S*(K+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	REJQ_NC(N_R) SABME1_UC	(P) (F) (F)	P=0 P=1

Extended Comments: Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_N07 Identifier: DL73_N07 Purpose: Verify that the IUT sends a SABME/P-1 in response to a REJ/P-1 Response with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P-1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_R:=V_S+(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	REJ1_NR(N_R) SABME1_UC	(P) (P)	F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_N08 Identifier: DL73_N08 Purpose: Verify that the IUT sends a SABME/P-1 in response to a REJ/P=0 Response with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P-1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_R:=V_S+(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	REJ0_NR(N_R) SABME1_UC	(P) (P)	F=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_N11 Identifier:DL73_N11 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_R::=V_S*(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	RNR1_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_N12 Identifier:DL73_N12 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_R::=V_S*(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L730	RNR0_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_N13				
Identifier: DL73_N13				
Purpose: Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response to an I/P=1 frame with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_R::=V_S+(K+1)) !I		I1_NC(V_R, N_R)		F=1
#				
START T200				
?RNR				
START Td	L730	RNR1_UR(V_R)		F=1
?SABME	L731	SABME1_UC	(F)	F=1
+DL51_VERIFICATION +DL_POSTAMBLE				
+DL73_UNEXPECTED GOTO L731				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT Td			(F)	
+DL_POSTAMBLE				
?SABME			(F)	
+DL51_VERIFICATION +DL_POSTAMBLE		SABME1_UC	(F)	
+DL73_UNEXPECTED GOTO L730				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT T200			(F)	
+DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_N14				
Identifier: DL73_N14				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_R::=V_S+(K+1)) !I		I0_NC(V_R, N_R)		P=0
#				
(V_R::=V_R+1)				
START Td				
?SABME	L730	SABME1_UC	(F)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE				
+DL73_UNEXPECTED GOTO L730				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT Td			(F)	
+DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S73/DL73_N15 Identifier:DL73_N15 Purpose:Verify that the IUT sends an RNR/F=1 and sends a SABME/P=1 in response to an I/P=1 with an N(R) error and N(S)=V(R). The IUT is received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_S:=V_R+1,N_R:=V_S+(K+1)) ! I		I1_NC(N_S, N_R)		P=1
#				
START T200 ?RNR				
START Td ?SABME	L730	RNR1_UR(V_R)		F=1
+DL51_VERIFICATION +DL_POSTAMBLE	L731	SABME1_UC	(P)	P=1
+DL73_UNEXPECTED GOTO L731				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT Td				(F)
+DL_POSTAMBLE				(F)
?SABME				
+DL51_VERIFICATION				
+DL_POSTAMBLE				(P)
+DL73_UNEXPECTED				
GOTO L730				
?OTHERWISE				(F)
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S73/DL73_N16 Identifier:DL73_N16 Purpose:Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error and N(S)=V(R). The IUT is expected to Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE (N_S:=V_R+1,N_R:=V_S+(K+1)) ! I		I0_NC(N_S, N_R)		P=0
#				
START T200 ?SABME				
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL73_UNEXPECTED				
GOTO L730	L730	SABME1_UC	(P)	P=1
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_N17 Identifier: DL73_N17 Purpose: Verify that the IUT sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	SABME_TL_NC SABME_UC	(P)	P=1
			(F)	(F)
			(F)	(F)
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_N18 Identifier: DL73_N18 Purpose: Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !DISC_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	DISC_TL_NC SABME_UC	(P)	P=1
			(F)	(F)
			(F)	(F)
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S73/DL73_N19				
Identifier: DL73_N19				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a UA of incorrect length received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !UA_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	UA_TL1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S73/DL73_N20				
Identifier: DL73_N20				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DM of incorrect length received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !DM_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	DM_TL1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_N21				
Identifier:DL73_N21				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR of incorrect length received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !FRMR_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	FRMR_TL1_NR SABME1_UC	(P)	P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_N22				
Identifier:DL73_N22				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR of incorrect length received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !RR_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	RR_TL1_NC (V_S) SABME1_UC	(P)	P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_N23 Identifier:DL73_N23 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR of incorrect length received in Multiple Frame Established state (7.3). the IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !RNR_TL # START T3 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T3 +DL_POSTAMBLE	L730	RNR_TL1_NC (V_S) SABME1_UC	(P) (P) (F) (F)	P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_N24 Identifier:DL73_N24 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ of incorrect length received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !REJ_TL # START T3 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T3 +DL_POSTAMBLE	L730	REJ_TL1_NC (V_S) SABME1_UC	(P) (P) (F) (F)	P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_N25				
Identifier:DL73_N25				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !I_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	I_TL1_NC(V_R, V_S) SABME1_UC	(P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_N26				
Identifier:DL73_N26				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an undefined command received in Multiple Frame Established state (7.3). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !UNDEF START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L730	UNDEF1_NC SABME1_UC	(P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_I01				
Identifier: DL73_I01				
Purpose: Verify that the IUT does not respond to an RR/F=1 response received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !RR(V_A::=V_S) START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE	L730	RR1_NR(V_S)	(F)	F=1, N(R) set to V(S) of IUT

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_I02 Identifier: DL73_I02 Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL73_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I #	L730	RR1_NR(N_R)	(P)	F=1 P=1, retransmit I
+DL83_VERIFICATION +DL_POSTAMBLE ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)] #		RR1_UC(V_R) RR1_UC(V_R)	(P) (P)	P=1 P=1
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request, and does not send a PDU or change state when a MDL_ERR_INDICATION(A) is generated.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S73/DL73_I03 Identifier: DL73_I03 Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_1I_SETUP (N_R:=V_S-1) !RR START Td ?I #	L730	RR1_NR(N_R)	(P)	F=1 P=1, retransmit I
+DL83_VERIFICATION +DL_POSTAMBLE ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #		RR1_UC(V_R) RR1_UC(V_R)	(P) (P)	P=1 P=1
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S73/DL73_I04				
Identifier: DL73_I04				
Purpose: Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.3). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL73_PREAMBLE !REJ(V_A::=V_S)		REJ1_NR(V_S)		F=1, N(R) set to V(S) of IUT
#				
#				
START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE	L730		(P)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S73/DL73_I05				
Identifier: DL73_I05				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)<=N(R)<V(S). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_I1_SETUP (N_R::=V_S-1) !REJ START Td ?I	L730	REJ1_NR(N_R)		F=1
#				
#				
+DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))		IP_UC(N_R,V_R,?)	(P)	Retransmit I, P=don't care
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

[illegible]

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S73/DL73_I07 Identifier:DL73_I07 Purpose:Verify that the IUT sends nothing in response to an RNR/F=1 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.3). The IUT is expected to enter Multiple Frame Established Peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL73_I1_SETUP (N_R:=V_S-1) !RNR		RNR1_NR(N_R)		F=1,V(A)<=N(R)<V(A)
# START T200 ?TIMEOUT T200 START Td ?RNR !RR	L730	RNR1_UC(V_S) RNR1_NR(V_S)	(P)	P=1 F=1
# +DL77_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RR +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L730 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(I) (I) (I)	P=1 F=1
#			(F) I	Test not run

Extended Comments:Q.921 Ref. 5.8.7
 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V01 Identifier: DL74_V01 Purpose: Verify that the IUT can send a SABME/P=1 in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_SABME] +DL74_PREAMBLE <IUT:SABME> START Topr ?SABME +DL50_VERIFICATION +DL_POSTAMBLE ?RR !RNR GOTO L740 +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_SEND_SABME)]	L740	SABME_UC RR1_UC(V_R) RNR1_NR(V_S)	(P) P 1 F 1 (F) (F) I	REQ. SABME P 1 P 1 F 1 Test not run
Extended Comments: Q.921 Ref. 5.5.1.2 Executed if IUT is able to send SABME/P=1 on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V03 Identifier: DL74_V03 Purpose: Verify that the IUT does not send an I frame when V(S)<V(A)+k (ie. window is open) in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after queuing the I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL74_PREAMBLE <IUT:I> START Topr ?TIMEOUT Topr !RR START Td ?I (V_S:=V_S+1) +DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L741 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RNR GOTO L740 +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L740 L741	RR0_NR(V_S) IO_UC(V_S, V_R)	(P) (F) (F)	P=0, clear peer busy P=0 P=1 F=1
#			(F)	Test not run
Extended Comments: Q.921 Ref. 5.6.1 Executed if IUT is able to send I frame on request.				

..... Continued from previous page.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V04 Identifier:DL74_V04 Purpose:verify that the IUT does not send an I frame (queued) when V state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL74_LC_SETUP START Td ?RR (N_R:=V_S) !RR	L740	RR1_UC(V_R)		P=1
# START Td ?I(N_R:=I.N_S)		RR1_NR(N_R)		F=1,ack all I frames
# (V_S:=V_S+1, N_R: !RR	L741	I0_UC(V_S, V_R)	(F)	P=0
#+DL70_VERIFICATION		RR0_NR(N_R)		F=0
#+DL_POSTAMBLE +DL74_UNEXPECTED GOTO L741 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F)	
+DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F)	
[NOT(CAN_SEND_IFRAMES)]			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.1				

Continued on next page

Executed if IUT is able to send I frame on request.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V08 Identifier:DL74_V08 Purpose:Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame established state after sending the UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !SABME START T200 ?UA (V_S:=0,V_R:=0,V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	SABME1_NC UA1_UR	(P)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V10 Identifier:DL74_V10 Purpose:Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending UA/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	SABME0_NC UA0_UR	(P) (F)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V12 Identifier:DL74_V12 Purpose:Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.4). The IUT is expected to enter TEI Assigned state after sending UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	DISC1_NC UA1_UR	(P) (F) (F)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V13				
Identifier:DL74_V13				
Purpose:Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Multiple Frame Established state (7.4). The IUT is expected to enter TEI Assigned state after sending UA/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE				
!DISC		DISC0_NC		P=0
START T200				
?UA		UA0_UR	(P)	F=0
+DL40_VERIFICATION				
+DL_POSTAMBLE				
+DL74_UNEXPECTED				
GOTO L740	L740			
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V14				
Identifier:DL74_V14				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE				
!DM		DM0_NR		F=0
START T200				
?SABME		SABME1_UC	(P)	P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL74_UNEXPECTED				
GOTO L740	L740			
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S74/DL74_V16 Identifier: DL74_V16 Purpose: Verify that the IUT sends nothing in response to a DN/F 1 received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !DM START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?RR +DL84_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE	L740	DM1_NR RR1_UC(V_R)	(P) (F) (F) (F)	F=1 P=1, IUT's T200 expired
Extended Comments: Q.921 Ref. 5.8.7 Allow for RR poll due to expiry of IUT's T200.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S74/DL74_V17 Identifier: DL74_V17 Purpose: Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !FRMR_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	FRMR_RR1_NR SABME1_UC	(P) (F) (F)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S74/DL74_V23 Identifier: DL74_V23 Purpose: Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after send no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !RR(V_A:=V_S) # # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE	L740	RR0_NR(V_S)	(P)	F=0, N(R) set to V(S) of IUT
Extended Comments: Q.921 ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S74/DL74_V24 Identifier: DL74_V24 Purpose: Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL74_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START T200 ?RR +DL74_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)] #	L740	RR1_NC(N_R) RR1_UR(V_R)	 (P) (F) (F) I	 P=1 F=1 Test not run
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send SABME on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V25				
Identifier:DL74_V25				
Purpose:Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending I.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL74_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I	L740	RR0_NC(N_R, V_R)	(P)	P=0 P=1, retrans mit I frame
#				
+DL80_VERIFICATION +DL_POSTAMBLE ?RR		RR1_UC(V_R)	(P)	P=1
+DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V26				
Identifier:DL74_V26				
Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL74_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I	L740	RR0_NR(N_R, V_R)	(P)	F=0 P=1, retrans mit I
#				
+DL80_VERIFICATION +DL_POSTAMBLE ?RR		RR1_UC(V_R)	(P)	P=1
+DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S74/DL74_V27				
Identifier: DL74_V27				
Purpose: Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending the I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL74_I1_SETUP (N_R:=V_S-1) !RR START T200 ?RR +DL74_VERIFICATION +DL_POSTAMBLE GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE (NOT(CAN_SEND_IFRAMES))	L740	RR1_NC(N_R) RR1_UR(V_R)	 (P) (F) (F) I	 P=1 F=1 Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S74/DL74_V28				
Identifier: DL74_V28				
Purpose: Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_I1_SETUP (N_R:=V_S-1) !RR START Td ?I +DL80_VERIFICATION +DL_POSTAMBLE ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))	L740	RR0_NC(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	 (P) (P) (F) (F) I	 P=0 P=1, retrans mit I frame Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if the IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V29 Identifier:DL74_V29 Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_1I_SETUP (N_R:=V_S-1) !RR START Td ?I ?I +DL80_VERIFICATION +DL_POSTAMBLE ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>	L740	RR0_NR(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	(P) (P) (F) (F) I	F=0 P=1, retrans mit I P=1 Test not run
#				

Extended Comments:Q.921 Ref. 5.6.5
 Executed if IUT is able to send I frame on request.

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V30				
Identifier: DL74_V30				
Purpose: Verify that the IUT sends an RR/F=1 in response to a REJ/P=1 command received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !REJ(V_A::=V_S)		REJ1_NC(V_S)		P=1, N(R) set to V(S) of IUT
# #				
START T200				
?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740	L740	RR1_UR(V_R)	(P)	F=1
?OTHERWISE +DL_POSTAMBLE			(F)	
?TIMEOUT T200 +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V31				
Identifier:DL74_V31				
Purpose:Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !REJ(V_A::=V_S) # # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE	L740	REJ0_NC(V_S)	(P) (F)	P=0, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.6.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V32				
Identifier:DL74_V32				
Purpose:Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !REJ(V_A::=V_S) # # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE	L740	REJ0_NR(V_S)	(P) (F)	F=0, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V33 Identifier: DL74_V33 Purpose: Verify that the IUT sends an RR/P=1 and retransmits an I frame in response to an REJ/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_1I_SETUP (N_R:=V_S-1) !REJ START T200 ?RR START Td ?I	L740	REJ1_NC(N_R)	P=1	
#			F=1	
#			Retransmit I, P=don't care	
+DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L741 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L741	IP_UC(N_R,V_R,?)	(P)	
#			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V34 Identifier: DL74_V34 Purpose: Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_1I_SETUP (N_R:=V_S-1) !REJ START Td ?I		REJ0_NC(N_R)		P=0
#	L740	IP_UC(N_R,V_R,?)	(P)	Retransmit I, P=don't care
#			(F)	
+DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V35				
Identifier: DL74_V35				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F=0 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending I Frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_I1_SETUP (N_R:=V_S-1) !REJ START Td ?I	L740	REJ0_NR(N_R) IP_UC(N_R,V_R, ,?)	(P)	F=0 Retransmit I, P=don't care
# # +DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F) (F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V36				
Identifier: DL74_V36				
Purpose: Verify that the IUT sends a RR/F=1 in response to an RNR/P=1 received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Busy state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !RNR(V_A:=V_S) # # START T200 ?RR +DL74_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	RNR1_NC(V_S) RR1_UR(V_R)	(F) (F) (F)	P=1, N(R) set to V(S) of IUT F=1
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S74/DL74_V37					
Identifier:DL74_V37					
Purpose:Verify the the IUT sends nothing in response to an RNR/P=0 received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Busy state.					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
#	+DL74_PREAMBLE !RNR(V_A::=V_S)		RNR0_NC(V_S)		P=0, N(R) set to V(S) of IUT
#	START T200 ?TIMEOUT T200 START Td ?RR !RNR +DL74_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RNR +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE	L740	RR1_UC(V_R) RR1_NR(V_S)	(P)	P=1 P=1
				(I)	
				(I)	
			RR1_UC(V_S) RR1_NR(V_S)	(I)	P=1 P=1
				(F)	

Extended Comments:Q.921 Ref. 5.6.5
Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V39				
Identifier:DL74_V39				
Purpose:Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.4). the IUT is expected to remain in Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
# # +DL74_PREAMBLE ! RNR(V_A:=V_S) START T200 ?TIMEOUT T200 START Td ?RR !RNR +DL74_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RNR +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE	L740	RNR0_NR(V_S) RR1_UC(V_R) RNR1_NR(V_S) RR1_UC(V_R) RNR1_NR(V_S)	(P) (I) (I) (I)	F=0, N(R) set to V(S) of IUT P=1 F=1 P=1 F=1
Extended Comments:Q.921 Ref. 5.6.5 Tester responds to an RR(P=1) from the IUT to keep the TPT from changing states				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V40 Identifier: DL74_V40 Purpose: Verify that the IUT sends an RR/P=1 in response to an RNR/P=1 with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Busy state after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre>[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_I1_SETUP (N_R:=V_S-1) !RNR START T200 ?RR +DL74_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]</pre>	L740	RNR1_NC(N_R)	(P)	$P=1, V(A) \leq N(R) < V(S)$ F=1
#			(F)	Test not run
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V41 Identifier: DL74_V41 Purpose: Verify that the IUT sends nothing in response to an RNR/P=0 with $V(A) \leq N(R) < V(S)$ received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre>[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_I1_SETUP (N_R:=V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RR !RNR #+DL74_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RNR +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]</pre>	L740	RNR0_NC(N_R)	(P)	$P=0, V(A) \leq N(R) < V(S)$
#			(F)	Test not run
Extended Comments: Q.921 Ref. 5.6.5 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V44				
Identifier:DL74_V44				
Purpose:Verify that the IUT sends an RR/F=1 in response to an I frame received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !I(V_A:=V_S)		IL_NC(V_R, V_S)		P=1, N(R) set to V(S) , N(S) set to V(R) of IUT
START T200 (V_R:=V_R+1) ?RR +DL74_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	

Extended Comments:0.921 Ref. 5.6.2.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V45				
Identifier: DL74_V45				
Purpose: Verify that the IUT sends an RR/F=0 in response to an I/P=0 received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
# # # # # +DL74_PREAMBLE ! I(V_A::=V_S) START T200 (V_R::=V_R+1) ?RR +DL74_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	IQ_NC(V_R, V_S) RR0_UR(V_R)	(P) (F)	P=0, N(R) set to V(S) , N(S) set to V(R) of IUT F=0
Extended Comments: Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V46 Identifier:DL74_V46 Purpose:Verify that the IUT sends a REJ/F=1 in response to an I/P=1 with N(S)<>V(R) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending REJ/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
# +DL74_PREAMBLE # (N_S::=V_S+1) # ; I (V_A::=V_S) #		I1_NC(N_S, V_S)		P=1, N(R) set to V(S) , N(S) not set to V(R) of IUT
START T200 ?REJ +DL75_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	REJ_LUR(V_R)	(F)	F=1
			(F)	

Extended Comments:O.921 Ref. 5.8.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V47				
Identifier: DL74_V47				
Purpose: Verify that the IUT sends a REJ/F=0 in response to an I/P=0 with N(S)<>V(R) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Establishment state after sending REJ/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> +DL74_PREAMBLE (N_S::=V_S+1) !I(V_A::=V_S) # # # # </pre>	L740	<pre> I0_NC(N_S, V_S) </pre>		<pre> P=0, N(R) set to V(S) , N(R) not set to V(R) of IUT F=0 </pre>
<pre> START T200 ?REJ +DL75_VERIFICATION +DL_POSTAMBLE GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE </pre>		<pre> REJ0_UR(V_R) </pre>	(P)	
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V48				
Identifier: DL74_V48				
Purpose: Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL74_2I_SETUP (N_R::=V_S-1) !I # # # </pre>		<pre> I1_NC(V_R, N_R) </pre>		<pre> P=1, V(A)<N (R)<V(S), N (S) set to V(R) of IUT </pre>
<pre> START T200 (V_R::=V_R+1) ?RR +DL74_VERIFICATION +DL_POSTAMBLE GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE </pre>	L740	<pre> RR1_UR(V_R) </pre>	(P)	F=1
			(F)	
			(F)	
<pre> [NOT(CAN_SEND_IFRAMES)] # </pre>			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V49 Identifier: DL74_V49 Purpose: Verify that the IUT sends a RR/F=0 in response to an I/P 0 received with V(A)<N(R)<V(S) in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy state after sending RR/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL74_2I_SETUP (N_R::=V_S-1) ! I # # # START T200 (V_R::=V_R+1) ?RR +DL74_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)] #	L740	IO_NC(V_R, N_R) P=0,V(A)<N (R)<V(S), N (S) set to V(R) of IUT F=0	(P) (F) (F) I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V50 Identifier: DL74_V50 Purpose: Verify that the IUT sends a REJ/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.4). The IUT is expected to enter Multiple Frame Established Peer receiver Busy/Reject Recovery state after sending REJ/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL74_2I_SETUP (N_R::=V_S-1,N_S::=V_R+1) ! I # # # # START T200 ?REJ +DL75_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)] #	L740	I1_NC(N_S, N_R) REJ1_UR(V_R)	(P) (F) (F) I	P=1,V(A)<N (R)<V(S), N (S) not set to V(R) of IUT F=1 Test not run
Extended Comments: Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V51				
Identifier: DL74_V51				
Purpose: Verify that the IUT sends a REJ/F=0 in response to an I/P=0 frame with V(A)<N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.4). The IUT is expected to enter Multiple Frame Established Peer Receiver Busy/Reject Recovery state after sending REJ/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL74_2I_SETUP (N_R:=V_S-1, N_S:=V_R+1) ! I		I0_NC(N_S, N_R)		P=0, V(A)<N(R)<V(S), N(S) not set to V(R) of IUT
#				
#				
#				
#				
START T200 ?REJ +DL75_VERIFICATION +DL_POSTAMBLE GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L740	REJ0_UR(V_R)	(P)	F=0
#				
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V52				
Identifier: DL74_V52				
Purpose: Verify that the IUT sends a RR/F=1 in response to an I frame with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_1I_SETUP (N_R:=V_S-1) ! I		I1_NC(V_R, N_R)		P=1, V(A)=N(R)<V(S), N(S) set to V(R) of IUT
#				
#				
#				
START T200 (V_R:=V_R+1) ?RR +DL74_VERIFICATION +DL_POSTAMBLE GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L740	RR1_UR(V_R)	(P)	F=1
#				
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/NFO/S74/DL74_V54 Identifier:DL74_V54 Purpose:Verify that the IUT sends a REJ/F=1 in response to an I/P=1 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.4). The IUT is expected to enter Multiple Frame Established Peer Receiver Busy/Reject Recovery state after sending REJ/F=1.					
	Default:				
#	Behaviour Description	Label	Constraints Reference	V	Comments
#	[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_1I_SETUP (N_R:=V_S-1,N_S:=V_R+1) !I		IL_NC(N_S, N_R)		P=1,V(A)=N (R)<V(S), N (S) not set to V(R) of IUT
#	START T200 ?REJ	L740	REJ1_UR(V_R)	(P)	F=1
#	+DL75_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE			(F)	
#	+DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	
#				I	Test not run

Extended Comments:Q.921 Ref. 5.8.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_V55				
Identifier:DL74_V55				
Purpose:Verify that the IUT sends a REJ/F=0 in response to an I/P=0 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.4). The IUT is expected to enter Multiple Frame Established Peer Receiver Busy/Reject Recovery state after sending REJ/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_1I_SETUP (N_R::=V_S-1,N_S::=V_R+1) !I </pre>		<pre> IO_NC(N_S, N_R) </pre>		<pre> P=0,V(A)=N (R)<V(S), N (S) not set to V(R) of IUT </pre>
<pre> START T200 ?REJ +DL75_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>	L740	<pre> REJ0_UR(V_R) </pre>	(P)	P=0
			(F)	
			(F)	
			I	Test not run
#				

Extended Comments:Q.921 Ref. 5.8.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_V56 Identifier: DL74_V56 Purpose: Verify that the IUT sends an RR/P=1 after a T200 timeout in Multiple Frame Established state (7.4). The IUT is expected to enter Timer Recovery state after sending RR/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_II_SETUP (N_S:=V_S-1) START Td ?RR +DL84_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))	L740	RR1_UC(V_R)	(P)	P=1
			(F)	
			(F)	
			I	Test not run
#				

Test Case Dynamic Behaviour			
Reference:LAPD/MFO/S74/DL74_V57 Identifier:DL74_V57			
Purpose:Verify that the IUT sends an RNR/F=0 when it sets OWN_BUSY in Multiple Frame Established state (7.4). The IUT is expected to enter Multiple Frame Established Own Busy state after sending RNR/F=0.			
Default:			
Behaviour Description	Label	Constraints Reference	V
[CAN_TEST_OWN_BUSY] +DL74_PREAMBLE <IUT!SET_OWN_BUSY> START Topr ?RNR +DL76_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE	L740	RNR_UR(V_R)	(P) (F) (F)
Extended Comments:Q.921 Ref. 5.6.6 Executed if IUT is able to set own busy on request.			

[illegible]

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N02 Identifier:DL74_N02 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/P=0 command with an N(R) error received in Multiple frame Established state (7.4). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_R:=V_S+(K+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	RR0_NC(N_R) SABME1_UC	 (P) (F) (F)	 P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N03 Identifier:DL74_N03 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/P=1 response with an N(R) error received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_R:=V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	RR1_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N04				
Identifier:DL74_N04				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/F=0 with an NR) error received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_R:=V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	RR0_NR(N_R) SABME1_UC	 (P)	 F=0 P=1
				(F)
				(F)
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

[illegible]

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N06				
Identifier:DL74_N06				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 response with an N(R) error received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_R:=V_S+(K+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	REJ0_NC(N_R) SABME1_UC	 (P) (F) (F)	 P=0 P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N07				
Identifier:DL74_N07				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 Response with an N(R) error received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_R:=V_S+(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	REJ1_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

[illegible]

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N10 Identifier:DL74_N10 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending a SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_R::=V_S+(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	RNR0_NC(N_R) SABME1_UC	(F) (F) (F) (F)	P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N11 Identifier:DL74_N11 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_R::=V_S+(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L740	RNR1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S74/DL74_N13				
Identifier:DL74_N13				
Purpose:Verify that the IUT sends an RR/P=1 and a SABME/P=1 in response to an I/P=1 frame with an N(R) error received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_R::=V_S*(K+1)) ! I		I1_NC(V_R, N_R)		P=1
#				
START T200 (V_R::=V_R+1) ?RR	L740	RR1_UR(V_R)		P=1
START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L741	L741	SABME1_UC	(P)	P=1
?OTHERWISE ?TIMEOUT Td +DL_POSTAMBLE			(F)	
?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740		SABME1_UC	(P)	
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	

Extended Comments:0.921_Ref_5.8.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N14				
Identifier:DL74_N14				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_R::=V_S+(K+1)) ! I		I0_NC(V_R, N_R)		P=0
# (V_R::=V_R+1) START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N15				
Identifier:DL74_N15				
Purpose:Verify that the IUT sends a REJ/F=1 and sends a SABME/P=1 in response to an I/P=1 with an N(R) error and N(S)=V(R) received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_S::=V_R+1,N_R::=V_S+(K+1)) ! I		I1_NC(N_S, N_R)		P=1
# START T200 ?REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	REJ1_UR(V_R)		F=1
?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L741	SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_N16 Identifier: DL74_N16 Purpose: Verify that the IUT sends a REJ/P=0 and a SABME/P=1 in response to an I/P=0 with an N(R) error and N(S)~=V(R) received in Multiple Frame Established state (7.4). The IUT is expected to Await Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_S:=V_R+1, N_R:=V_S+(K+1)) ! I		I0_NC(N_S, N_R)		P=0
START T200 ?REJ	L740	REJ0_UR(V_R)		P=0
START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L741 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L741	SABME1_UC	(P)	P=1
?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE		SABME1_UC	(P)	P=1
Extended Comments: Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_N17 Identifier: DL74_N17 Purpose: Verify that the IUT sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	SABME_TL1_NC SABME1_UC	(P)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N18 Identifier:DL74_N18 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !DISC_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	DISC_TL1_NC SABME1_UC	(P) (P)	P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N19 Identifier:DL74_N19 Purpose:Verify that the IUT sends a SABME/P=1 in response to a UA of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !UA_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	UA_TL1_NR SABME1_UC	(P) (P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

1. APD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S74/DL74_N21					
Identifier:DL74_N21					
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL74_PREAMBLE !FRMR_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	FRMR_TL1_NR SABMEL_UC	(P) (F) (F)	P=1 	F=1
Extended Comments:Q.921 Ref . 5.7.1					

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_N22 Identifier: DL74_N22 Purpose: Verify that the IUT sends a SABME/P=1 in response to an RR of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !RR_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	RR_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_N23 Identifier: DL74_N23 Purpose: Verify that the IUT sends a SABME/P=1 in response to an RNR of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !RNR_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	RNR_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_N24 Identifier: DL74_N24 Purpose: Verify that the IUT sends a SARME/P=1 in response to a REJ of incorrect length received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SARME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE ! I_TL # START Td ?SARME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	REJ_TL1_NC (V_S)	(P)	P=1
		SARME1_UC	(P)	P=1
			(F)	(F)
			(F)	(F)
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_N25 Identifier: DL74_N25 Purpose: Verify that the IUT sends a SARME/P=1 after an N201 error occurs in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SARME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE ! I_TL # START Td ?SARME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	I_TL1_NC(V_R, V_S)	(P)	P=1
		SARME1_UC	(P)	P=1
			(F)	(F)
			(F)	(F)
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_N27				
Identifier:DL74_N27				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a frame with an invalid I field received in Multiple Frame Established state (7.4). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	SABME_TL1_NC SABME1_UC	(P) (F) (F)	P=1

Test Case Dynamic Behaviour				
Reference: LAPD MFO/S74/DL74_101				
Identifier: DL74_101				
Purpose: Verify that the IUT does not respond to an RR/F1 response received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !RR(V_A::=V_S) # # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE	L740	RR1_NR(V_S)	(P)	F1, N(R) sent to V(S) of IUT
Extended Comments: Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference: LAPD MFO/S74/DL74_102				
Identifier: DL74_102				
Purpose: Verify that the IUT retransmits an I frame in response to an RR/F1 response with V(A).N(R).V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL74_2I_SETUP (N_R::=V_S-1) !RR(V_A::=N_R) START Td ?I +DL80_VERIFICATION +DL_POSTAMBLE ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)] #	L740	RR1_NR(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	(P) (P) (P) (F) (F) I	F-1 P=1, retransmit I P=1 Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request, and does not send a PDU or change state when a MDL_ERR_INDICATION(A) is generated.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_I03				
Identifier: DL74_I03				
Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_I1_SETUP (N_R:=V_S-1) !RR START Td ?I +DL80_VERIFICATION +DL_POSTAMBLE ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L740	RR1_NR(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	 (P) (P) (F) (F) I	 F=1 P=1, retransmit I P=1 Test not run
#				
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S74/DL74_I04				
Identifier: DL74_I04				
Purpose: Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !REJ(V_A:=V_S) # # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE	L740	REJ1_NR(V_S)	(P) (F)	F=1, N(R) Set to v(s0 of IUT
Extended Comments: Q.921 Ref. 5.8.7				

Test Case: Dynamic Behaviour					
Reference: LAPD MFO S/4 DL74_105					
Identifier: DL74_105					
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F-1 response with V(AL-N(R)<V(S)) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state after sending I frame.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comment	
[CAN_SEND_A_IFRAME) +DL70_PREAMBLE +DL74_1I_SETUP (N_R:=V-S-1) !REJ START TD ?I	L740	REJ1_NR(N_R)	(F)	F 1 Retransmit 1, P-don't care	
+DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT TD +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F) (F) I	Test not run	
#	#				
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.					

Test Case Dynamic Behaviour				
Reference: LAHD/NFO/S74/DL74_106				
Identifier: DL74_106				
Purpose: Verify that the IUT sends nothing in response to an RNR/P=1 The IUT is expected to remain in Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE +RNR(V_A:: V_S) # # START T200 ?TIMEOUT T200 START Td ?RR !RNR +DL74_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RNR +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE	L740	RNR1_NR(V_S) RNR1_UC(V_R) RNR1_NR(V_S) RNR1_OC(V_R) RNR1_NR(V_S)	(P) (I) (I) (I) (F)	P=1, N(R) Set to V(S) of IUT P=1 F=1 P=1 F=1

Extended Comments: Q.921 Ref. 5.8.7
 Tester responds to an RR(P=1) from the IUT to keep
 the IUT from changing states.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S74/DL74_I07 Identifier:DL74_I07 Purpose:Verify that the IUT sends nothing in response to an RNR/P=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_I1_SETUP (N_R:=V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RR !RNR #	L740	RNR1_NR(N_R)		F=1,V(A)<=N(R)<V(A)
#+DL74_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RNR +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #		RNR1_UC(V_S) RNR1_NR(V_S)	(P) (I) (I) (I) (F)	P=1 F=1 Test not run
Extended Comments:Q.921 Ref. 5.8.7 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_V01 Identifier:DL75_V01 Purpose:Verify that the IUT can send a SABME/P=1 in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_SABME] +DL75_PREAMBLE <IUT:SABME> START Topr ?SABME +DL50_VERIFICATION +DL_POSTAMBLE ?RR !RNR GOTO L750 +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_SEND_SABME)] #	L750	SABME1_UC RNR1_UC(V_R) RNR1_NR(V_S)	(P) (F) (F) I	REQ. SABME P=1 P=1 F=1 Test not run
Extended Comments:Q.921 Ref. 5.5.1.2 Executed if IUT is able to send SABME/P=1 on request.				

Test Case Dynamic Behaviour				
Reference: LAHU/MFO/S7%/DL7% V04 Ident ifier : DL75_V04 purpose: verify that the IUT does not send an I frame (queued) when V (S) V(A)+k (window is closed) in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default :				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> {CAN_SEND_I_FRAMES} +DL70_PREAMBLE +DL75_WC_SETUP START Td ?RR (N_R:=V_S) !RR </pre>	L750	RR1_UC(V_R)	P=1	P=1
<pre> # START Td ?I(N_R:=I.N_S) (V_S:=V_S+1, N_R: !RR </pre>	L751	RR1_NR(N_R) IO_UC(V_S, V_R)	(P)	F=1,ack all I frames P=0
<pre> #:=V_S) +DL71_VERIFICATION +DL_POSTAMBLE </pre>		RR0_NR(N_R)	F=0	
<pre> +DL75_UNEXPECTED GOTO L751 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE </pre>			(F)	
<pre> +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE </pre>			(F)	
<pre> [NOT(CAN_SEND_I_FRAMES)] </pre>			(F)	
#			I	Test not run

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Executed if IUT is able to send I frame on request.

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V08 Identifier: DL75_V08 Purpose: Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame established state after sending the UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750	SABME1_NC UA1_UR	(P) (F) (F)	P=1 F=1
Extended Comments: Q.921 Ref. 5.5.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V10 Identifier: DL75_V10 Purpose: Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending UA/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750	SABME0_NC UA0_UR	(P) (F)	P=0 F=0
Extended Comments: Q.921 Ref. 5.5.2				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S75/DL75_V12 Identifier:DL75_V12					
Purpose:Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.5). The IUT is expected to enter TEI Assigned state after sending UA/F=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL75_PREAMBLE :DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750	DISC_NC UAL_UR	 (F) (F)	 P=1 F=1	
Extended Comments:Q.921 Ref. 5.5.3.2					

Test Case: Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V13 Identifier: DL75_V13 Purpose: Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Multiple Frame Established state (7.5). The IUT is expected to enter TEI Assigned state after send UA/F=0.				
Default:	Behaviour Description	Label	Constraints Reference	V Comments
	+DL75_PREAMBLE :DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750	DISC_NC UA0_UR	P=0 F=0 (P) (F) (F)
Extended Comments: 0.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_V14				
Identifier:DL75_V14				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !DM START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750	DM0_NR SABME1_UC	(P)	F=0 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_V16				
Identifier:DL75_V16				
Purpose:Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !DM START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?RR # # +DL85_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE	L750	DM1_NR RR1_UC(V_R)	(P)	F=1 P=1,IUT's T200 expire d
Extended Comments:Q.921 Ref. 5.8.7 Allow for RR poll due to expiry of IUT's T200				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S75/DL75_V17 Identifier: DL75_V17 Purpose: Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !FRMR_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750	FRMR_RR1_NR SABME1_UC	(P)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V20 Identifier: DL75_V20 Purpose: Verify that the IUT sends an RR/P=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending RR/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RR(V_A::=V_S) # # START T200 ?RR +DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750	RR1_NC(V_S) RR1_UR(V_R)	(P)	P=1, N(R) set to V(S) of IUT F=1
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_V21 Identifier:DL75_V21 Purpose:Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RR(V_A::=V_S) # # START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE	L750	RR0_NC(V_S)	(P) (F)	P=0, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_V23 Identifier:DL75_V23 Purpose:Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after send no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RR(V_A::=V_S) # # START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE	L750	RR0_NR(V_S)	(P) (F)	F=0, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S/5 DL75_V24 Identifier: DL75_V24 Purpose: Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)<N(R)>V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL75_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START T200 ?RR +DL75_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L750	RR1_NC(N_R) RR1_UR(V_R)	(P) (P)	P=1 F=1 Test not run
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send SABME on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S/5/DL75_V25 Identifier: DL75_V25 Purpose: Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)<N(R)>V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending I. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL75_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L750	RR0_NC(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	(P) (P) (P)	P=0 P=1, retransmit I frame P=1
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V26				
Identifier: DL75_V26				
Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL75_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)]	L750	RR0_NR(N_R) IL_UC(N_R, V_R) RR1_UC(V_R)	 (P) (P) (F) (F) I	 F=0 P=1, retrans mit I P=1 Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V27				
Identifier: DL75_V27				
Purpose: Verify that the IUT sends an RR/F=1 in response to an RR/P=1 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending the I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_1I_SETUP (N_R:=V_S-1) !RR START T200 ?RR +DL75_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L750	RR1_NC(N_R) RR1_UR(V_R)	 (P) (F) (F) I	 P=1 F=1 Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V28				
Identifier: DL75_V28				
Purpose: Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A) N(R) < V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_I1_SETUP (N_R := V_S-1) !RR START Td ?I +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L750	RR0_NC(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	 (P) (P) (F) (F) I	 P=0 P=1, retransmit I frame P=1 Test not run
Extended Comments: Q.921 Ref. 5.6.5 Executed if the IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V29				
Identifier: DL75_V29				
Purpose: Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A) N(R) < V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_I1_SETUP (N_R := V_S-1) !RR START Td ?I +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L750	RR0_NR(N_R) I1_UC(N_R, V_R) RR1_UC(V_R)	 (P) (P) (F) (F) I	 F=0 P=1, retransmit I P=1 Test not run
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_V30				
Identifier:DL75_V30				
Purpose:Verify that the IUT sends an RR/F=1 in response to a REJ/P=1 command received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !REJ(V_A::=V_S) # #		REJ1_NC(V_S)		P=1, N(R) set to V(S) of IUT
START T200 ?RR +DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_V31				
Identifier:DL75_V31				
Purpose:Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !REJ(V_A::=V_S) # #		REJ0_NC(V_S)		P=0, N(R) set to V(S) of IUT
START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE	L750		(P)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S/5/DL/5 V32				
Identifier: DL/5 V32				
Purpose: Verify that the IUT does not respond to a REJ/F-0 response received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !REJ(V_A::=V_S) # # START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE	L750	REJ0_NR(V_S)	(P)	F-0, N(R) set to V(S) of IUT
Extended Comments: Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S/5/DL/5 V33				
Identifier: DL/5 V33				
Purpose: Verify that the IUT sends an RR/F-1 and retransmits an I frame in response to an REJ/P-1 command with V(A) < N(R) < V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN SEND A IFRAME] +DL70_PREAMBLE +DL75_I1_SETUP (N_R:=V_S-1) !REJ START T200 ?RR START Td ?I # # +DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L751 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #	L750 L751	REJ1_NC(N_R) RR1_UR(V_R) IP_UC(N_R,V_R, ,?)	 (P) (F) (F) (F) (F) I	P=1 F=1 Retransmit I, P=don't care Test not run
Extended Comments: Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V34				
Identifier: DL75_V34				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_LI_SETUP (N_R::=V_S-1) !REJ START Td ?I # #	L750	REJ0_NC(N_R)	(P)	P=0 Retransmit I, P=don't care
+DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #		IP_UC(N_R,V_R,?)	(F) (F) I	Retransmit I, P=don't care Test not run
Extended Comments: Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V35				
Identifier: DL75_V35				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F=0 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_LI_SETUP (N_R::=V_S-1) !REJ START Td ?I # #	L750	REJ0_NR(N_R)	(P)	F=0 Retransmit I, P=don't care
+DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE		IP_UC(N_R,V_R,?)	(F) (F)	Retransmit I, P=don't care
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V36				
Identifier: DL75_V36				
Purpose: Verify that the IUT sends a RR/F=1 in response to an RNR/P=1 received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established Peer Busy state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RNR(V_A::=V_S)		RNR1_NC(V_S)		P=1, N(R) set to V(S) of IUT
#				
#				
START T200				
?RR	L750	RR1_UR(V_R)	(P)	F=1
+DL75_VERIFICATION				
+DL_POSTAMBLE				
+DL75_UNEXPECTED				
GOTO L750				
?OTHERWISE			(F)	
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V37				
Identifier: DL75_V37				
Purpose: Verify the IUT sends nothing in response to an RNR/P=0 received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RNR(V_A::=V_S)		RNR0_NC(V_S)		P=0, N(R) set to V(S) of IUT
#				
#				
START T200				
?TIMEOUT T200	L750			
START Td				
?RR		RR1_UC(V_R) RNR1_NR(V_S)	(P)	P=1 F=1
!RNR				
+DL75_VERIFICATION				
+DL_POSTAMBLE			(I)	
?OTHERWISE				
+DL_POSTAMBLE			(I)	
?TIMEOUT Td				
+DL_POSTAMBLE				
?RR		RR1_UC(V_S) RNR1_NR(V_S)	(I)	P=1 F=1
!RNR				
+DL_POSTAMBLE				
+DL75_UNEXPECTED				
GOTO L750				
?OTHERWISE				
+DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.5 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_V39				
Identifier:DL75_V39				
Purpose:Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.5). the IUT is expected to remain in Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RNR(V_A::=V_S)		RNR0_NR(V_S)		F=0, N(R) set to V(S) of IUT
#				
#				
START T200 ?TIMEOUT T200 START Td ?RR !RNR +DL75_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	RR1_UC(V_R) RNR1_NR(V_S)	(P)	P=1 F=1
?RR !RNR +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE		RR1_UC(V_R) RNR1_NR(V_S)	(I)	P=1 F=1
Extended Comments:Q.921 Ref. 5.6.5 tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_V40				
Identifier:DL75_V40				
Purpose:Verify that the IUT sends an RR/F=1 in response to an RNR/P=1 with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established Peer Busy state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_I1_SETUP (N_R::=V_S-1) !RNR		RNR1_NC(N_R)		P=1, V(A) <= N(R) < V(S)
#				
START T200 ?RR +DL75_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L750	RR1_UR(V_R)	(P)	F=1
#				
Extended Comments:Q.921 Ref. 5.6.5				
			I	Test not run

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/5/75_V41				
Identifier: DL75_V41				
Purpose: Verify the IUT sends nothing in response to an RNR/P-0 with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_11_SETUP (N_R := V_S - 1) !RNR START T200 ?TIMEOUT T200 START Td ?RR !RNR #+DL75_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RNR +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>	L750	RNR0_NC(N_R)	(P)	$P=0, V(A) < N(R) < V(S)$ $P=1$ $F=1$
#				
Extended Comments: Q.921 Ref. 5.6.5 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/5/75_V43				
Identifier: DL75_V43				
Purpose: Verify that the IUT does not respond to an RNR/P-0 response with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_11_SETUP (N_R := V_S - 1) !RNR START T200 ?TIMEOUT T200 START Td ?RR !RNR #+DL75_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RNR +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>	L750	RNR0_NR(N_R)	(P)	$P=0, V(A) < N(R) < V(S)$ $P=1$ $F=1$
#				
Extended Comments: Q.921 Ref. 5.6.5 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V44				
Identifier: DL75_V44				
Purpose: Verify that the IUT sends an RR/F=1 in response to an I frame received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE ! I(V_A::=V_S)		I1_NC(V_R, V_S)		P=1, N(R) set to V(S) , N(S) set to V(R) of IUT
#				
#				
#				
#				
START T200 (V_R::=V_R+1)				
?RR				
+DL74_VERIFICATION +DL_POSTAMBLE				
+DL75_UNEXPECTED				
GOTO L750				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
	L750	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V45				
Identifier: DL75_V45				
Purpose: Verify that the IUT sends an RR/F=0 in response to an I/P=0 received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE ! I(V_A::=V_S)		I0_NC(V_R, V_S)		P=0, N(R) set to V(S) , N(S) set to V(R) of IUT
#				
#				
#				
#				
START T200 (V_R::=V_R+1)				
?RR				
+DL74_VERIFICATION +DL_POSTAMBLE				
+DL75_UNEXPECTED				
GOTO L750				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
	L750	RR0_UR(V_R)	(P)	F=0
			(F)	
Extended Comments: Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V46 Identifier: DL75_V46 Purpose: Verify that the IUT sends an RR/F-1 in response to an I/P-1 with N(S)<V(R) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending RR/F-1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE (N_S::=V_S+1) ! I(V_A::=V_S) # # # #		I1_NC(N_S, V_S)		P=1, N(R) set to V(S) , N(S) not set to V(R) of IUT
START T200 ?RR +DL75_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE	L750	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V47 Identifier: DL75_V47 Purpose: Verify that the IUT sends nothing in response to an I/P-0 with N(S)<V(R) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL71_PREAMBLE (N_S::=V_S+1) ! I(V_A::=V_S) # # # #		I0_NC(N_S, V_S)		P=0, N(R) set to V(S) , N(S) not set to V(R) of IUT
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L750			
+DL85_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L751 ?OTHERWISE +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE	L751	RR1_UC(V_R)	(P)	Allow poll due to expiry of T200
			(I)	
			(I)	
?RR		RR1_UC(V_R)	(F)	Fail poll received before expiry of T200
			(F)	
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V48				
Identifier: DL75_V48				
Purpose: Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to enter Multiple Frame Established Peer receiver Busy state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL75_2I_SETUP (N_R:=V_S-1) ! I		IL_NC(V_R, N_R)		P=1, V(A)<N (R)<V(S), N (S) set to V(R) of IUT
#				
#				
#				
START T200 (V_R:=V_R+1) ?RR +DL74_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L750	RR1_UR(V_R)	(P)	F=1
#				
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V49				
Identifier: DL75_V49				
Purpose: Verify that the IUT sends a RR/F=0 in response to an I/P=0 received with V(A)<N(R)<V(S) in Multiple Frame Established state (7.5). The IUT is expected to enter in Multiple Frame Established Peer receiver busy state after sending RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL75_2I_SETUP (N_R:=V_S-1) ! I		IO_NC(V_R, N_R)		P=0, V(A)<N (R)<V(S), N (S) set to V(R) of IUT
#				
#				
#				
START T200 (V_R:=V_R+1) ?RR +DL74_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L750	RR0_UR(V_R)	(P)	F=0
#				
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V50				
Identifier: DL75_V50				
Purpose: Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established peer receiver Busy/Reject Recovery state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL75_21_SETUP (N_R:=V_S-1, N_S:=V_R+1) ! I		IL_NC(N_S, N_R)		P=1, V(A)<N (R)<V(S), N (S) not set to V(R) of IUT
START T200 ?RR +DL75_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE +DL_POSTAMBLE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L750	RR1_UC(V_R)	(P)	F=1
#				Test not run
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V51				
Identifier: DL75_V51				
Purpose: Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)<N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established peer receiver Busy/Reject Recovery state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL75_21_SETUP (N_R:=V_S-1, N_S:=V_R+1) ! I		IO_NC(N_S, N_R)		P=0, V(A)<N (R)<V(S), N (S) not set to V(R) of IUT
START T200 ?RR +DL75_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L751 ?OTHERWISE +DL_POSTAMBLE +DL_POSTAMBLE +DL_POSTAMBLE	L750 L751	RR1_UC(V_R)	(P)	Allow poll due to expiry of T200
#				
#			(I)	
#			(I)	
#			(F)	Fail poll received before expiry of T200
#			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
# [NOT(CAN_SEND_IFRAMES)] +DL_POSTTABLE			I	Test not run

Extended Comments:Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference:LAPD/MPO/S75/DL75_V53				
Identifier:DL75_V53				
Purpose:Verify that the IUT sends a RR/F=0 in response to an I/P=0 received with V(A)=N(R)<V(S) in Multiple Frame Established state (7.5). The IUT is expected to enter in Multiple Frame Established Peer Receiver Busy state after sending RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_I1_SETUP (N_R:=V_S-1) ! I START T200 (V_R:=V_R+1) ?RR +DL74_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>	L750	I0_NC (V_R, N_R) RR0_UR(V_R)	(P)	P=0,V(A)=N (R)<V(S), N (S) set to V(R) of IUT F=0
#				Test not run
#				
#				
#				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_V52				
Identifier:DL75_V52				
Purpose:Verify that the IUT sends a RR/F=1 in response to an I frame with V(A)=N(R)<V(S). The IUT is expected to enter Multiple Frame state (7.5). The IUT is expected to enter Multiple Frame Established Peer Receiver Busy state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_1I_SETUP (N_R:=V_S-1) !I </pre>		<pre> I1_NC(V_R, N_R) </pre>		<pre> P=1,V(A)=N (R)<V(S), N (S) set to V(R) of IUT </pre>
<pre> START T200 (V_R:=V_R+1) ?RR: +DL74_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)] </pre>	L750	<pre> RR1_UR(V_R) </pre>	(P)	F=1
			(F)	
			(F)	
			I	Test not run

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Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V54 Identifier: DL75_V54 Purpose: Verify that the IUT sends a RR/F=1 in response to an I/P=1 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established Peer receiver Busy/Reject Recovery state after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_1I_SETUP (N_R:=V_S-1, N_S:=V_R+1) ! I START T200 ?RR +DL75_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L750	IL_NC(N_S, N_R) RR1_UR(V_R)	(P) (F) (F) I	P=1, V(A)=N (R)<V(S), N (S) not set to V(R) of IUT F=1 Test not run
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_V55 Identifier: DL75_V55 Purpose: Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_1I_SETUP (N_R:=V_S-1, N_S:=V_R+1) ! I START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR +DL85_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L751 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE	L750 L751	IO_NC(N_S, N_R) RR1_UC(V_R)	(P) (I) (I) (F) (F)	P=0, V(A)=N (R)<V(S), N (S) not set to V(R) of IUT Allow poll due to expiry of T200 Fail poll received before expiry of T200

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Behaviour Description	Label	Constraints Reference	V	Comments
# +DL_POSTamble [NOT(CAN_SEND_A_IFRAME)]			I	Test not run

Extended Comments: Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference:LAPD/MPO/S75/DL75_V56				
Identifier:DL75_V56				
Purpose:Verify that the IUT sends an RR/P=1 after a T200 timeout in Multiple Frame Established state (7.5). The IUT is expected to enter Timer Recovery state (8.5) after sending RR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre>[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_I_I_SETUP (N_S:=V_S-1) START td ?RR +DL85_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]</pre>	L750	RRL_UC (V_R)	(P)	P=1
#			(F)	
			(F)	
			I	Test not run

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_V57 Identifier:DL75_V57 Purpose:Verify that the IUT sends an RNR/F=0 when it sets OWN_BUSY in Multiple Frame Established state (7.5). The IUT is expected to enter Multiple Frame Established Own Busy state after sending RNR/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{CAN_TEST_OWN_BUSY} +DL75_PREAMBLE <IUT:SET_OWN_BUSY> START Topr ?RNR ?DL77_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE ?DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE {NOT (CAN_TEST_OWN_BUSY) } #	L750	RNR0_UR(V_R)	(P)	F=0
			(F)	
			(F)	
			I	Test not run

Extended Comments:Q.921 Ref. 5.6.6
 Executed if IUT is able to set own busy on request.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N03 Identifier:DL75_N03 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/P=1 response with an N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE (N_R::=V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	RR1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N04 Identifier:DL75_N04 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/P=0 with an N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE (N_R::=V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	RR0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

[illegible]

Test Case Dynamic Behaviour				
Reference: LAMP/MFO/ST75/DL75_N06 Identifier: DL75_N06 Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 command with an N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE (N_R:=V_S*(K+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750	REJ_NC(N_R) SABME_UC	(P) (F) (F)	P=0 P=1

Extended Comments: Q.921 Ref. 5.8.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N07 Identifier:DL75_N07 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 Response with an N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE (N_R:=V_S+(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	REJ1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N08 Identifier:DL75_N08 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 Response with an N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE (N_R:=V_S+(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	REJ0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_N09 Identifier: DL75_N09 Purpose: Verify that the IUT sends an RR/F=1 and a SABME/P=1 in response to an RNR/P=1 command with a N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RNR START T200 ?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L751 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750 L751	RNR1_NC(N_R) RR1_UR(V_R) SABME1_UC	 (P)	P=1 F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_N10 Identifier: DL75_N10 Purpose: Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending a SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750	RNR0_NC(N_R) SABME1_UC	 (P)	P=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S75/DL75_N11				
Identifier:DL75_N11				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE				
!RNR				F=1
START T200		RNR1_NR(N_R)		
?SABME	L750	SABME1_UC	(P)	P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL75_UNEXPECTED				
GOTO L750				
?OTHERWISE				
+DL_POSTAMBLE			(F)	
?TIMEOUT T200				
+DL_POSTAMBLE			(F)	

Extended Comments:Q.921 Ref. 5.8.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_N12				
Identifier: DL75_N12				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE		RNR0_NR(N_R)		F=0
!RNR				
START T200				
?SABME	L750	SABME1_UC	(P)	P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL75_UNEXPECTED				
GOTO L750				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
Extended Comments: 0.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N13 Identifier:DL75_N13 Purpose:Verify that the IUT sends an RR/F.1 and a SABME/P=1 in response to an I/P=1 frame with an N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE (N_R:=V_S+(K+1)) ! I		I1_NC(V_R, N_R)		P=1
# START T200 (V_R:=V_R+1) ?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L751 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L750 L751	RR1_UR(V_R) SABME1_UC	(P) (P)	F=1 P=1
		SABME1_UC	(P)	(F)
			(F)	(F)
			(F)	(F)
			(P)	(P)
			(F)	(F)
			(F)	(F)
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N14 Identifier:DL75_N14 Purpose:Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE (N_R:=V_S+(K+1)) ! I		I0_NC(V_R, N_R)		P=0
# (V_R:=V_R+1) START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	SABME1_UC	(P)	P=1
			(F)	(F)
			(F)	(F)
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N15 Identifier:DL75_N15 Purpose:Verify that the IUT sends an RR/P=1 and sends a SABME/P=1 in response to an I/P=1 with an N(R) error and N(S)~=V(R) received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE (N_S::=V_R+1,N_R::=V_S+(K+1)) ! I		IL_NC(N_S, N_R)		P=1
#				
START T200				
?RR				
START Td	L750	RR_UR(V_R)		F=1
?SABME				
+DL51_VERIFICATION	L751	SABME_UC	(P)	P=1
+DL_POSTAMBLE				
+DL75_UNEXPECTED				
GOTO L751				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT Td				
+DL_POSTAMBLE				
?SABME				
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL75_UNEXPECTED				
GOTO L750				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.8.2				
		SABME_UC	(P)	P=1
			(F)	
			(F)	
			(F)	
			(F)	

Test Case Dynamic Behaviour				
Reference:LAPD/HFO/S75/DL75_N17 Identifier:DL75_N17 Purpose:Verify that the IUT sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	SABME_TL1_NC SABME1_UC	(F) (F) (F)	 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/HFO/S75/DL75_N18 Identifier:DL75_N18 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !DISC_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	DISC_TL1_NC SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_N19				
Identifier: DL75_N19				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a UA of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !UA_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	UA_TL1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_N20				
Identifier: DL75_N20				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DM of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !DM_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	DM_TL1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S75/DL75_N21 Identifier:DL75_N21				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !FRMR_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	FRMR_TLL_NR SABME_UC	(P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N22 Identifier:DL75_N22 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RR_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	RR_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	P=1 P=1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N23				
Identifier:DL75_N23				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR of incorrect length received in Multiple Frame Established state (7.5). the IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RNR_TL		RNR_TL1_NC (V_S)		P=1
#				
START Td				
?SABME				
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL75_UNEXPECTED				
GOTO L750				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT Td				
+DL_POSTAMBLE				(F)
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N24				
Identifier:DL75_N24				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ of incorrect length received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !REJ_TL		REJ_TL1_NC (V_S)		P=1
#				
START Td				
?SABME				
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL75_UNEXPECTED				
GOTO L750				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT Td				
+DL_POSTAMBLE				(F)
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour			
Reference: LAPD/MFO/S75/DL75_N25			
Identifier: DL75_N25			
Purpose: Verify that the IUT sends a SARME/P=1 in response to an I frame with excess length (N201 error) received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SARME/P=1.			
Default:			
Behaviour Description	Label	Constraints Reference	V
+DL75_PREAMBLE ! I_TL # START Td ?SARME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	I_TL1_NC(V_R, V_S) SARME1_UC	(P) (P) (F) (F)
Extended Comments: Q.921 Ref. 5.7.1			

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N26 Identifier:DL75_N26 Purpose:Verify that the IUT sends a SABME/P=1 in response to an undefined command received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !UNDEF START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	UNDEFL_NC SABMEL_UC	(F) (F) (F)	P=1

Extended Comments:Q.921 Ref. 5.7.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_N27				
Identifier:DL75_N27				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a frame with an invalid I field received in Multiple Frame Established state (7.5). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L750	SABME_TL1_NC SABME1_UC	(P) (F) (F)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S75/DL75_I01				
Identifier:DL75_I01				
Purpose:Verify that the IUT does not respond to an RR/F=1 response received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RR(V_A::=V_S) # # START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE	L750	RR1_NR(V_S)	(P)	F=1, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_I02				
Identifier: DL75_I02				
Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL75_2I_SETUP (N_R::=V_S-1) !RR(V_A:=N_R) START Td ?I	L750	RR1_NR(N_R)	(P)	F=1
+DL81_VERIFICATION +DL_POSTAMBLE ?RR		IL_UC(N_R, V_R)	(P)	P=1, retransmit I
+DL81_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]		RR1_UC(V_R)	(P)	P=1
#			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request, and does not send a PDU or change state when a MDL_ERR_INDICATION(A) is generated.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_I03				
Identifier: DL75_I03				
Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_1I_SETUP (N_R::=V_S-1) !RR START Td ?I	L750	RR1_NR(N_R)		F=1
+DL81_VERIFICATION +DL_POSTAMBLE ?RR		IL_UC(N_R, V_R)	(P)	P=1, retransmit I
+DL81_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		RR1_UC(V_R)	(P)	P=1
#			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MPO/S75/DL75_I04				
Identifier:DL75_I04				
Purpose:Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREMABLE !REJ(V_A:=V_S) # # START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE	L750	REJ1_NR(V_S)	(P)	F=1, N(R) set to V(S) of IUT
			(F)	

Extended Comments:Q.921 Ref. 5.8.7

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S75/DL75_I05				
Identifier:DL75_I05				
Purpose:Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_1I_SETUP (N_R:=V_S-1) !REJ START Td ?I	L750	REJ1_NR(N_R)	(P)	F=1
+DL71_VERIFICATION +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	Retransmit I, P=don't care
			(F)	
			I	Test not run

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_I06				
Identifier: DL75_I06				
Purpose: Verify that the IUT sends nothing in response to an RNR/F=1 response received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL75_PREAMBLE !RNR(V_A::=V_S) #		RNR1_NR(V_S)		F=1, N(R) set to V(S) of IUT
START T200 ?TIMEOUT T200 START Td ?RR !RNR +DL75_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RNR +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE	L750	RNR1_UC(V_R) RNR1_NR(V_S)	(P)	P=1 P=1
			(I)	
			(I)	
		RNR1_UC(V_R) RNR1_NR(V_S)	(I)	P=1 P=1
			(F)	
Extended Comments: Q.921 Ref. 5.8.7 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S75/DL75_I07				
Identifier: DL75_I07				
Purpose: Verify that the IUT sends nothing in response to an RNR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.5). The IUT is expected to remain in Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL75_1I_SETUP (N_R::=V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RR !RNR # +DL75_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RNR +DL_POSTAMBLE +DL75_UNEXPECTED GOTO L750 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #	L750	RNR1_NR(N_R) RNR1_UC(V_S) RNR1_NR(V_S)	(P)	F=1 P=1
			(I)	
			(I)	
		RNR1_UC(V_S) RNR1_NR(V_S)	(I)	P=1 P=1
			(F)	
Extended Comments: Q.921 Ref. 5.8.7 Tester responds to an RR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/ST76/DL76_V01				
Identifier:DL76_V01				
Purpose:Verify that the IUT can send a SABME/P=1 in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_SABME] +DL76_PREAMBLE <IUT!SABME> START TOP1 ?SABME +DL50_VERIFICATION +DL_POSTAMBLE ?NRN !NRN GOTO L760 +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT TOP1 +DL_POSTAMBLE [NOT(CAN_SEND_SABME)]	L760	SABME1_UC RNRL_UC(V_R) RNRL_NR(V_S)	(P) (F) (F) I	REQ. SABME P=1 P=1 F=1 Test not run
#				
Extended Comments:Q.921 Ref. 5.5.1.2 Executed if IUT is able to send SABME/P=1 on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V03 Identifier:DL76_V03 Purpose:Verify that the IUT does not send an I frame when V(S)<V(A)+k (ie. window is open) in Multiple Frame Established state (7.6) . The IUT is expected to remain in Multiple Frame Established state after queuing the I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL76_PREAMBLE <IUT:I> START Topr ?TIMEOUT Topr !RR	L760	RR0_NR(V_S)		P=0,clear peer busy
# START Td ? I (V_S:=V_S+1) +DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L761	I0_UC(V_S, V_R)	(P)	P=0
?RR !RNR GOTO L760 +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		RR1_UC(V_R) RNR1_NR(V_S)	(F) (F)	P=1 F=1
#			(F)	Test not run

Extended Comments:0.921 Ref. 5.6.1
 Executed if IUT is able to send I frame on request.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V04				
Identifier:DL76_V04				
Purpose:verify that the IUT does not send an I frame (queued) when V(S)=V(A)+k (window is closed) in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending no response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL76_MC_SETUP START Td ?RNR (N_R:=V_S) !RR	L760	RNR1_UC(V_R)		P=1
# START Td ?I(N_R:=I.N_R) (V_S:=V_S+1, N_R: !RR	L761	IO_UC(V_S, V_R)	(P)	F=1,ack all I frames
#:=V_S)		RR0_NR(N_R)		P=0
#+DL72_VERIFICATION				F=0
#+DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F)	
+DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F)	
[NOT(CAN_SEND_IFRAMES)]			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.1				

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Executed if IUT is able to send I frame on request.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V08				
Identifier:DL76_V08				
Purpose:Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame established state after sending the UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !SABME START T200 ?UA (V_S:=0,V_R:=0,V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	SABME1_NC UA1_UR	(P)	P=1 F=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V10 Identifier:DL76_V10 Purpose:Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending UA/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	SABME0_NC UA0_UR	P=0 (P) (F) (F)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V12 Identifier:DL76_V12 Purpose:Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.6). The IUT is expected to enter TEI Assigned state after sending UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	DISC1_NC UA1_UR	 (P) (F) (F)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V14				
Identifier: DL76_V14				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE				
!DM				
START T200		DM0_NR		F=0
?SABME	L760	SABME_UC	(P)	P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL76_UNEXPECTED				
GOTO L760				
?OTHERWISE				(F)
+DL_POSTAMBLE				
?TIMEOUT T200				(F)
+DL_POSTAMBLE				

Extended Comments: Q.921 Ref. 5.7.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V16 Identifier:DL76_V16 Purpose:Verify that the IUT sends nothing in response to a DM/P=1 received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !DM START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?RNR # # +DL86_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE	L760	DM1_NR RNR1_UC(V_R)	(P) (F) (F) (F)	P=1 P=1, IUT's T200 expired
Extended Comments:Q.921 Ref. 5.8.7 Allow for RNR poll due to expiry of IUT's T200				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V17 Identifier:DL76_V17 Purpose:Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !FRMR_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	FRMR_RR1_NR SABME1_UC	(P) (F) (F)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V20 Identifier: DL76_V20 Purpose: Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !RR(V_A::=V_S) # # START T200 ?RNR +DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	RR1_NC(V_S) RNR1_UR(V_R)	(P) (F) (F)	P=1, N(R) set to V(S) of IUT F=1
Extended Comments: Q.921 Ref. 5.6.5				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V21 Identifier: DL76_V21 Purpose: Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !RR(V_A::=V_S) # # START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE	L760	RR0_NC(V_S)	(F) (F)	P=0, N(R) set to V(S) of IUT
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V23 Identifier:DL76_V23 Purpose:Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after send no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !RR(V_A::=V_S) # # START Td ?TIMEOUT T3 +DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE	L760	RR0_NR(V_S)	(F)	F=0, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V24 Identifier:DL76_V24 Purpose:Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL76_2I_SETUP (N_R::=V_S-1) !RR(V_A::=N_R) START T200 ?RNR +DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)] #	L760	RR1_NC(N_R) RNR1_UR(V_R)	(P) (F) (F) I	P=1 F=1 Test not run
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send SABME on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S76/DL76_V25 Identifier: DL76_V25 Purpose: Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL76_2I_SETUP (N_R:=V_S-1) :RR(V_A:=N_R) START Td ?I +DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L760	RR0_NC(N_R) IL_UC(N_R, V_R) RNR1_UC(V_R)	 (P) (P) (F) (F) I	 P=0 P=1, retrans mit I frame P=1 Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S76/DL76_V26 Identifier: DL76_V26 Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=0 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL76_2I_SETUP (N_R:=V_S-1) :RR(V_A:=N_R) START Td ?I +DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L760	RR0_NR(N_R) IL_UC(N_R, V_R) RNR1_UC(V_R)	 (P) (P) (F) (F) I	 F=0 P=1, retrans mit I P=1 Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V27				
Identifier:DL76_V27				
Purpose:Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending the I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_1I_SETUP (N_R:=V_S-1) !RR START T200 ?RNR +DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L760	RR1_NC(N_R) RNR1_UR(V_R)	(P) (P)	P=1 F=1
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V28				
Identifier:DL76_V28				
Purpose:Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_1I_SETUP (N_R:=V_S-1) !RR START Td ?I +DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L760	RR0_NC(N_R) I1_UC(N_R, V_R) RNR1_UC(V_R)	(P) (P) (P)	P=0 P=1, retrans mit I frame P=1
#			(F) (F) I	Test not run
Extended Comments:Q.921 Ref. 5.6.5 Executed if the IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V29 Identifier: DL76_V29 Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_I1_SETUP (N_R::=V_S-1) !RR START Td ?I #	L760	RR0_NR(N_R)	(P)	F=0
+DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #		I1_UC(N_R, V_R) RNR1_UC(V_R)	(P) (P)	P=1, retrans mit I P=1
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				
			(F)	Test not run
			(F)	
			I	

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V30 Identifier: DL76_V30 Purpose: Verify that the IUT sends an RNR/F=1 response in response to a REJ/P=1 command received in Multiple Frame Established state (7.2). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !REJ(V_A::=V_S) # #		REJ_NC(V_S)		P=1, N(R) set to V(S) of IUT
START T200 ?RNR +DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	RNR1_UC(V_R)	(P)	F=1
Extended Comments: Q.921 Ref. 5.6.4				
			(F)	
			(F)	

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V31				
Identifier:DL76_V31				
Purpose:Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !REJ(V_A::=V_S)		REJ0_NC(V_S)		P=0, N(R) set to V(S) of IUT
# # START Td ?TIMEOUT Td +DL72_VERIFICATION +DL72_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE	L760		(P) (F)	
Extended Comments:Q.921 Ref. 5.6.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V32				
Identifier:DL76_V32				
Purpose:Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE !REJ(V_A::=V_S)		REJ0_NR(V_S)		F=0, N(R) set to V(S) of IUT
# # START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE	L760		(P) (F)	
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V33 Identifier: DL76_V33 Purpose: Verify that the IUT sends an RNR/P=1 and retransmits an I frame in response to an REJ/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_I1_SETUP (N_R::=V_S-1) !REJ START T200 ?RNR START Td ?I	L760	REJ1_NC(N_R)	P=1	
	L761	RNR1_UR(V_R)	F=1	
+DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		IP_UC(N_R,V_R,?)	(P)	Retransmit I,P=don't care
			(F)	
#			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V34				
Identifier: DL76_V34				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_I1_SETUP (N_R:=V_S-1) !REJ START TD ?I	L760	REJ0_NC(N_R)	(P)	P=0
+DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT TD +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		IP_UC(N_R,V_R, ,?)	(F)	Retransmit I, P=don't care
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V35				
Identifier:DL76_V35				
Purpose:Verify that the IUT retransmits an I frame in response to an REJ/F=0 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I Frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_1I_SETUP (N_R:=V_S-1) !REJ START Td ?I # #	L760	REJ0_NR(N_R) IP_UC(N_R,V_R, ,?)	(P)	F=0 Retransmit I, P=don't care
+DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #			(F) (F) I	Test not run
Extended Comments:Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V36				
Identifier:DL76_V36				
Purpose:Verify that the IUT sends a RNR/F=1 in response to an RNR/P=1 received in Multiple Frame Established state (7.6). The IUT is expected to enter Multiple Frame Established Peer Busy state after send RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !RNR(V_A:=V_S) # # START T200 ?RNR +DL76_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	RNR1_NC(V_S) RNR1_UR(V_R)	(P) (F)	P=1, N(R) set to V(S) of IUT F=1
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V39 Identifier: DL76_V39 Purpose: Verify that the IUT does not respond to an RNR/F=0 response received in Multiple Frame Established state (7.6). the IUT is expected to enter Multiple Frame Established Peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREMABLE !RNR(V_A:=V_S) START T200 ?TIMEOUT T200 START Td ?RNR !RNR +DL76_VERIFICATION +DL_POSTMABLE ?OTHERWISE +DL_POSTMABLE ?TIMEOUT Td +DL_POSTMABLE ?RNR !RNR +DL_POSTMABLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTMABLE	L760	RNR0_NR(V_S) RNR1_UC(V_R) RNR1_NR(V_S) RNR1_UC(V_R) RNR1_NR(V_S)	(P) (I) (I) (I)	F=0, N(R) set to V(S) of IUT P=1 F=1 P=1 F=1
			(F)	
Extended Comments: Q.921 Ref. 5.6.5 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V40				
Identifier:DL76_V40				
Purpose:Verify that the IUT sends an RNR/F=1 in response to an RNR/P=1 with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Busy state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_1I_SETUP (N_R:=V_S-1) !RNR START T200 ?RNR +DL76_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L760	RNR1_NC(N_R) RNR1_UR(V_R)	(P) (F) (F) I	P=1,V(A) < N(R) < V(S) F=1 Test not run
#				
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V41				
Identifier:DL76_V41				
Purpose:Verify that the IUT sends nothing in response to an RNR/P=0 with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.6). The IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_1I_SETUP (N_R:=V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RNR !RNR #+DL76_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RNR +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L760	RNR0_NC(N_R) RNR1_UC(V_R) RNR1_NR(V_S) RNR1_UC(V_R) RNR1_NR(V_S)	(P) (I) (I) (I) (F) I	P=0,V(A) < N(R) < V(S) P=1 F=1 Test not run
#				
Extended Comments:Q.921 Ref. 5.6.5 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S76/DL76_V43				
Identifier:DL76_V43				
Purpose:Verify that the IUT does not respond to an RNR/F=0 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.6). the IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_1I_SETUP (N_R:=V_S-1) !RNR		RNRQ_NR(N_R)		F=0,V(A)<=N (R)<V(S)
START T200 ?TIMEOUT T200 START Td ?RNR !RNR	L760	RNR1_UC(V_R) RNR1_NR(V_S)	(P)	P=1 F=1
# +DL76_VERIFICATION				
+DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RNR			(I)	
+DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		RNR1_UC(V_R) RNR1_NR(V_S)	(I)	P=1 F=1
#			(F)	
I			I	Test not run
Extended Comments:Q.921 Ref. 5.6.5 Ester responds to an RNR(F=1) from the IUT to keep the IUT from changing states				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S76/DL76_V44					
Identifier:DL76_V44					
Purpose:Verify that the IUT sends an RNR/F=1 in response to an I frame received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL76_PREAMBLE !I(V_A::=V_S)		I1_NC(V_R, V_S)		P=1, N(R) set to V_S, N(S) set to V(R) of IUT	
# # #				F=1	
START T200 ?RNR +DL76_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	RNR1_UR(V_R)	(P)		
			(F)		
			(F)		
Extended Comments:Q.921 Ref. 5.6.2.1					

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V45				
Identifier:DL76_V45				
Purpose:Verify that the IUT sends nothing in response to an I/P=0 received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending RNR/P=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !I(V_A::=V_S)		IO_NC(V_R, V_S)		P=0, N(R) set to V(S) , N(S) set to V(R) of IUT
#				
#				
#				
#				
START T200 (T200value-DELTA)	L760			
?TIMEOUT T200				
START T200	L761	RR1_UC(V_R)	(F)	Allow poll due to expiry of T200
?RR				
#				
#				
#				
+DL85_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
?RR		RR1_UC(V_R)	(I)	Fail poll received before expiry of T200
#			(F)	
#				
#				
#				
+DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V46				
Identifier:DL76_V46				
Purpose:Verify that the IUT sends an RNR/F=1 in response to an I/P=1 with N(S)<>V(R) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Reject Recovery state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL72_PREAMBLE (N_S:=V_S+1) !I(V_A::=V_S)		IL_NC(N_S, V_S)		P=1, N(R) set to V(S) , N(S) not set to V(R) of IUT
#				
#				
#				
#				
START T200	L760	RNR1_UR(V_R)	(P)	F=1
?RNR				
+DL76_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V47				
Identifier: DL76_V47				
Purpose: Verify that the IUT sends nothing in response to an I/P-0 with N(S)<>V(R) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Reject recovery state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_S::=V_S+1) ! I (V_A::=V_S)		I0_NC(N_S, V_S)		P=0, N(R) set to V(S) , N(S) not set to V(R) of IUT
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L760 L761		(P)	Allow poll due to expiry of T200
+DL85_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR			(I) (I)	
+DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE		RR1_UC(V_R)	(F)	Fail poll received before expiry of T200
			(F)	
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V48				
Identifier: DL76_V48				
Purpose: Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL76_2I_SETUP (N_R::=V_S-I) ! I		I1_NC(V_R, N_R)		P=1, V(A)<N (R)<V(S), N (S) set to V(R) of IUT
START T200 ?RNR +DL76_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L760	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V49 Identifier: DL76_V49 Purpose: Verify that the IUT sends nothing in response to an I/P=0 received with V(A)<N(R)<V(S) in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL76_2I_SETUP (N_R:=V_S-1) ! I		I0_NC(V_R, N_R)		P=0,V(A)<N (R)<V(S), N (S) set to V(R) of IUT
# # #				
# (T200value-DELTA) START T200 ?TIMEOUT T200 START T200 ?RNR	L760 L761	RNR1_UC(V_R)	(P)	P=1, Allow poll for T200 expiry
# #				
+DL85_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR			(I) (I) (F)	Fail poll received before T200 expiry
# # #				
+DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	Test not run
#			I	

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Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V50 Identifier: DL76_V50 Purpose: Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL76_2I_SETUP (N_R:=V_S-1,N_S:=V_R+1) ! I		I1_NC(N_S, N_R)		P=1,V(A)<N (R)<V(S), N (S) not set to V(R) of IUT
# # # #				
START T200 ?RNR +DL76_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L760	RNR1_UR(V_R)	(P) (F) (F) I	F=1 Test not run
#				
Extended Comments: Q.921 Ref. 5.8.1				

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Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V51				
Identifier: DL76_V51				
Purpose: Verify that the IUT sends nothing in response to an I/P=P=0 frame with V(A)<N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL76_2I_SETUP (N_R::=V_S-1,N_S::=V_R+1) ! I		I0_NC(N_S, N_R)		P=0,V(A)<N(R)<V(S), N(S) not set to V(R) of IUT
START T200				
#(T200value-DELTA)	L760			
?TIMEOUT T200				
START T200				
?RR	L761	RR1_UC(V_R)	(P)	Allow poll due to expiry of T200
+DL85_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761			(I)	
?OTHERWISE				
+DL_POSTAMBLE ?TIMEOUT T200			(I)	
+DL_POSTAMBLE				
?RR		RR1_UC(V_R)	(F)	Fail poll received before expiry of T200
+DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760				
?OTHERWISE				

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Behaviour Description	Label	Constraints Reference	V	Comments
# +DL_POSTTABLE {NOT(CAN_SEND_IFRAMES)}			I	Test not run

Extended Comments: Q.921 Ref. 5.8.1

Extended Comments:Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V52				
Identifier:DL76_V52				
Purpose:Verify that the IUT sends a RNR/F=1 in response to an I frame with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_1I_SETUP (N_R:=V_S-1) ! I		I1_NC(V_R, N_R)		P=1,V(A)=N (R)<V(S), N (S) set to V(R) of IUT
START T200 ?RNR +DL76_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L760	RNR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run

Extended Comments:Q.921 Ref. 5.6.2.1

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAfD/MFO/S76/DL76_V53 Identifier:DL76_V53 Purpose:Verify that the IUT sends nothing in response to an I/P=0 received with V(A)=N(R)<V(S) in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_II_SETUP (N_R::=V_S-1) ! I START T200 ?TIMEOUT T200 START T200 ?RR	L760	IO_NC(V_R, N_R)	(P)	P=0,V(A)=N(R)<V(S), N(S) set to V(R) of IUT
# (T200value-DELTA) ?RR	L761	RR1_UC(V_R)	(P)	Allow poll due to expiry of T200
+DL85_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR			(I)	
+DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		RR1_UC(V_R)	(F)	Fail poll received before expiry of T200
			(F)	Test not

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Behaviour Description	Label	Constraints Reference	V	Comments
#				run
Extended Comments:0.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference:LAfD/MFO/S76/DL76_V54 Identifier:DL76_V54 Purpose:Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_II_SETUP (N_R::=V_S-1,N_S::=V_R+1) ! I # # # # # START T200 ?RNR +DL76_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #	L760	II_NC(N_S, N_R)	(P)	P=1,V(A)=N(R)<V(S), N(S) not set to V(R) of IUT
		RNR1_UR(V_R)	(F)	F=1
			(F)	Test not
			I	run
Extended Comments:0.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V55 Identifier: DL76_V55 Purpose: Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Own Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_I1_SETUP (N_R::=V_S-1, N_S::=V_R+1) !I START T200 ?(T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L760	I0_NC(N_S, N_R)		P=0, V(A)=N(R)<V(S), N(S) not set to V(R) of IUT
+DL85_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR	L761	RR1_UC(V_R)	(P)	Allow poll due to expiry of T200
+DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE		RR1_UC(V_R)	(I)	Fail poll received before expiry of T200
			(F)	
			(F)	
			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))			I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_V56 Identifier: DL76_V56 Purpose: Verify that the IUT sends an RNR/P=1 after a T200 timeout in Multiple Frame Established state (7.6). The IUT is expected to enter Timer Recovery state (8.6) after sending RNR/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL72_PREAMBLE +DL76_I1_SETUP (N_S::=V_S-1) START Td ?RNR +DL86_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))	L760	RNR1_UC(V_R)	(P)	P=1
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_V58 Identifier:DL76_V58 Purpose:Verify that the IUT sends an RR/F=0 when it clears OWN_BUSY in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_CLR_OWN_BUSY] +DL76_PREAMBLE <IUT!CLEAR_OWN_BUSY> START Topr ?RR +DL74_VERIFICATION +DL_POSTAMBLE ?RR +DL70_VERIFICATION +DL_POSTAMBLE ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_CLR_OWN_BUSY)]	L760	RR0_UR(V_R)	(P)	F=0
		RR1_UC(V_R)	(P)	P=1
		RR0_UC(V_R)	(P)	P=0
			(F)	
			(F)	
			I	Test not run
#				
Extended Comments:Q.921 Ref. 5.6.6 Executed if IUT is able to clear own busy on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N01				
Identifier:DL76_N01				
Purpose:Verify that the IUT sends an RNR/F=1 and then sends a SABME/P=1 in response to an RR/P=1 command with N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R:=V_S+(K+1)) !RR				
START T200				
?RNR	L760	RNR1_UR(V_R)		F=1
START Td ?SABME	L761	SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE				
+DL76_UNEXPECTED GOTO L761			(F)	
?OTHERWISE				
+DL_POSTAMBLE			(F)	
?TIMEOUT Td				
+DL_POSTAMBLE			(P)	P=1
?SABME				
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL76_UNEXPECTED				
GOTO L760				
?OTHERWISE				
+DL_POSTAMBLE			(F)	
?TIMEOUT T200				
+DL_POSTAMBLE			(F)	

extended Comments:0.921Ref. 5.8.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N02 Identifier:DL76_N02 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/P=0 command with an N(R) error received in Multiple frame Established state (7.6). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R:=V_S+(K+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	RR0_NC(N_R) SABME1_UC	(P) (F) (F)	P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N03 Identifier:DL76_N03 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/F=1 response with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R:=V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	RR1_NR(N_R) SABME1_UC	 (P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N04 Identifier:DL76_N04 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/F=0 with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R:=V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	RR0_NR(N_R) SABME1_UC	 (P)	 F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N05 Identifier:DL76_N05 Purpose:Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response to a REJ/P=1 command with a N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R:=V_S+(K+1)) !REJ START T200 ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	REJ1_NC(N_R)		P=1
	L761	RNR1_UR(V_R) SABME1_UC	 (P)	 F=1 P=1
?SABME +DL76_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
		SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N06				
Identifier:DL76_N06				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 command with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R::=V_S*(K+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	REJ0_NC(N_R) SABME1_UC	 (P) (F) (F)	 P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N07				
Identifier:DL76_N07				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 Response with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R::=V_S*(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	REJ1_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N08 Identifier:DL76_N08 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 Response with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R:=V_S+(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	REJ0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N09 Identifier:DL76_N09 Purpose:Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response to an RNR/P=1 command with a N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R:=V_S+(K+1)) !RNR START T200 ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760 L761	RNR1_NC(N_R) RNR1_UR(V_R) SABME1_UC SABME1_UC	(P) (F) (F) (P)	P=1 F=1 P=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N10				
Identifier:DL76_N10				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending a SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R::=V_S*(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	RNR0_NC(N_R) SABME1_UC	 (P)	 P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N11				
Identifier:DL76_N11				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/P=1 Response with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R::=V_S*(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	RNR1_NR(N_R) SABME1_UC	 (P)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N12 Identifier:DL76_N12 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R::=V_S+(K+1)) !I START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	RNR0_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N13 Identifier:DL76_N13 Purpose:Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response to an I/P=1 frame with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_R::=V_S+(K+1)) !I START T200 ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760 L761	IL_NC(V_R, N_R) RNR1_UR(V_R) SABME1_UC	 (P) (F) (F) (P) (F) (F)	 P=1 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N14				
Identifier:DL76_N14				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_S:=V_S+(K+1)) ! I		I0_NC(V_R, N_R)		P=0
# (V_R:=V_R+1) START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	SABME1_UC	(P)	P=1
			(F)	(F)
			(F)	(F)

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N15				
Identifier:DL76_N15				
Purpose:Verify that the IUT sends an RNR/F=1 and sends a SABME/P=1 in response to an I/P=1 with an N(R) error and N(S)<>V(R) received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_S:=V_R+1,N_R:=V_S+(K+1)) ! I		I1_NC(N_S, N_R)		P=1
# START T200 ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	RNR1_UR(V_R)		F=1
	L761	SABME1_UC	(P)	P=1
			(F)	(F)
			(F)	(F)
?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE		SABME1_UC	(P)	P=1
			(F)	(F)
			(F)	(F)

Extended Comments:Q.921 Ref. 5.8.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N16 Identifier:DL76_N16 Purpose:Verify that the IUT sends a SABME/P=1 in response to an I/P=0 with an N(R) error and N(S)<>V(R) received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE (N_S::=V_R+1,N_R::=V_S+(K+1)) ! I # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L760	IQ_NC(N_S, N_R) SABME1_UC	 (P) (F) (F)	 P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N17 Identifier:DL76_N17 Purpose:Verify that the IUT sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	SABME_TL_NC SABME1_UC	 (P) (F) (F)	 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_N18				
Identifier: DL76_N18				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !DISC_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	DISC_TL1_NC SABME1_UC	(P)	P=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_N19				
Identifier: DL76_N19				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a UA of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !UA_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	UA_TL1_NR SABME1_UC	(P)	P=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N20				
Identifier:DL76_N20				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !DM_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	DM_TL1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N21				
Identifier:DL76_N21				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !FRMR_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	FRMR_TL1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N22				
Identifier:DL76_N22				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !RR_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	RR_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N23				
Identifier:DL76_N23				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !RNR_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	RNR_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N24				
Identifier:DL76_N24				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ of incorrect length received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !REJ_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	REJ_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_N25				
Identifier:DL76_N25				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !I_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	I_TL1_NC(V_R, V_S) SABME1_UC	 (P) (F) (F)	 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_N26				
Identifier: DL76_N26				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an undefined command received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !UNDEF START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	UNDEF1_NC SABME1_UC	(P) (F) (F)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_N27				
Identifier: DL76_N27				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a frame with an invalid I field received in Multiple Frame Established state (7.6). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L760	SABME_TL1_NC SABME1_UC	(P) (F) (F)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_I01 Identifier:DL76_I01 Purpose:Verify that the IUT does not respond to an RR/F=1 response received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !RR(V_A::=V_S) # # START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE	L760	RR1_NR(V_S)	(P)	F=1, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_I02 Identifier: DL76_I02 Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL76_2I_SETUP (N_R::=V_S-1) !RR(V_A::=N_R) START Td ?I +DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)] </pre>	L760	RRL_NR(N_R) IL_UC(N_R, V_R) RNR1_UC(V_R)	F=1 (P) (P) (F) (F) I	F=1 P=1, retransmit I P=1 Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request, and does not send a PDU or change state when a MDL ERR INDICATION(A) is generated.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_I03 Identifier: DL76_I03 Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_I1_SETUP (N_R:=V_S-1) !RR START Td ?I +DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L760	RR1_NR(N_R) IL_UC(N_R, V_R) RNR1_UC(V_R)	 (P) (P) (F) (F) I	 F=1 P=1, retransmit I P=1 Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S76/DL76_I04 Identifier: DL76_I04 Purpose: Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREAMBLE !REJ(V_A:=V_S) # # START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE	L760	REJ1_NR(V_S)	(P) (F)	F=1, N(R) set to v(S) of IUT
Extended Comments: Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_I05				
Identifier:DL76_I05				
Purpose:Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.6). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_LI_SETUP (N_R:=V_S-1) !REJ START Td ?I </pre>	L760	REJ1_NR(N_R) IP_UC(N_R,V_R,?)	(P) (F) (F) I	F=1 Retransmit I, P=don't care Test not run
<pre> +DL72_VERIFICATION +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>				
#				
#				
Extended Comments:Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S76/DL76_I06				
Identifier:DL76_I06				
Purpose:Verify that the IUT sends nothing in response to an RNR/P=1 response received in Multiple Frame Established state (7.6). The IUT is expected to enter Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL76_PREMABLE :RNR(V_A:=V_S) # #		RNR1_NR (V_S)		P=1, N(R) set to V(S) of IUT
START T200 ?TIMEOUT T200 START Td ?RNR !RNR +DL76_VERIFICATION +DL_POSTMABLE ?OTHERWISE +DL_POSTMABLE ?TIMEOUT Td +DL_POSTMABLE ?RNR !RNR +DL_POSTMABLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTMABLE	L760	RNR1_UC (V_S) RNR1_NR (V_S)	(P) (I) (I) (I) (F)	P=1 P=1
Extended Comments:Q.921 Ref. 5.8.7 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/RFO/S76/DL76_107 Identifier: DL76_107 Purpose: Verify that the IUT sends nothing in response to an RNR/F-1 response with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.6). The IUT is expected to enter Multiple Frame Established Peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL76_II_SETUP (N_R := V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RNR !RNR ##DL76_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RNR +DL_POSTAMBLE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L760	RNR1_NR(N_R) RNR1_UC(V_S) RNR1_NR(V_S) RNR1_UC(V_S) RNR1_NR(V_S)	(P) (I) (I) (I) (F)	F=1, V(A) < N(R) < V(A) P=1 F=1 Test not run
Extended Comments: Q.921 Ref. 5.8.7 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/RFO/S77/DL77_V01 Identifier: DL77_V01 Purpose: Verify that the IUT can send a SABME/P=1 in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_SABME] +DL77_PREAMBLE <IUT: SABME> START Tdpr ?SABME +DL50_VERIFICATION +DL_POSTAMBLE ?RNR !RNR GOTO L770 +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Tdpr +DL_POSTAMBLE [NOT (CAN_SEND_SABME)]	L770	SABME1_UC RNR1_UC(V_R) RNR1_NR(V_S)	(P) (F) (F) I	REQ. SABME P=1 P=1 F=1 Test not run
Extended Comments: Q.921 Ref. 5.5.1.2 Executed if IUT is able to send SABME/P=1 on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V03 Identifier:DL77_V03 Purpose:Verify that the IUT does not send an I frame when V(S)<V(A)+k (ie. window is open) in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after queuing the I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL77_PREAMBLE <IUT:I> START Topr ?TIMEOUT Topr !RR	L770	RR0_NR(V_S)		P=0,clear peer busy
#				
START Td ?I (V_S:=V_S+1) +DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L771 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR !RR GOTO L770 +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L771	I0_UC(V_S, V_R)	(P)	P=0
			(F)	
			(F)	
		RR1_UC(V_R) RR1_NR(V_S)		P=1 P=1
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.1 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V04 Identifier:DL77_V04 Purpose:Verify that the IUT does not send an I frame (queued) when V(S)=V(A)+k (window is closed) in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL77_WC_SETUP START Td ?RRNR (N_R:=V_S) !RR	L770	RR1_UC(V_R) RR1_NR(N_R)		P=1 P=1,ack all I frames
#				
START Td ?I(N_R:=I.N_S) (V_S:=V_S+1, N_R; !RR	L771	I0_UC(V_S, V_R)	(P)	P=0
#				
#:=V_S)		RR0_NR(N_R)		F=0
#+DL73_VERIFICATION				
#+DL_POSTAMBLE +DL77_UNEXPECTED GOTO L771 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F) (F) (F) (F) (F)	Test not run
#			I	
Extended Comments:Q.921 Ref. 5.6.1				

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Executed if IUT is able to send 1 frame on request.

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V08				
Identifier: DL77_V08				
Purpose: Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame established state after sending the UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !SABME START T200 ?UA (V_S:=0,V_R:=0,V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	SABME1_NC UA1_UR	 (P) (F) (F)	 P=1 F=1
Extended Comments: Q.921 Ref. 5.5.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V10				
Identifier: DL77_V10				
Purpose: Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending UA/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !SABME START T200 ?UA (V_S:=0,V_R:=0,V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	SABME0_NC UA0_UR	 (P) (F) (F)	 P=0 F=0
Extended Comments: Q.921 Ref. 5.5.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V12				
Identifier:DL77_V12				
Purpose:Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.7). The IUT is expected to enter TEI Assigned state after sending UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	DISC1_NC UA1_UR	(P)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V13				
Identifier:DL77_V13				
Purpose:Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Multiple Frame Established state (7.7). The IUT is expected to enter TEI Assigned state after sending UA/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	DISC0_NC UA0_UR	(P)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V14				
Identifier: DL77_V14				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending the SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !DM START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	DM0_NR SABME1_UC	(P)	F=0 P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V16				
Identifier: DL77_V16				
Purpose: Verify that the IUT sends nothing in response to a DM/F=1 received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !DM START T200 (T200value - DELTA) ?TIMEOUT T200 START T200 ?RNR +DL87_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE	L770	DM1_NR RNR1_UC(V_R)	(P)	F=1 P=1, IUT's T200 expired
Extended Comments: Q.921 Ref. 5.8.7 Allow for RNR poll due to expiry of IUT's T200.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V17 Identifier:DL77_V17 Purpose:Verify that the IUT sends a SABME/P=1 after receiving a FRMR rejecting an RR in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !FRMR_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	FRMR_RR1_NR SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V20 Identifier:DL77_V20 Purpose:Verify that the IUT sends an RNR/F=1 in response to an RR/P=1 command received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !RR(V_A::=V_S) # # START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	RR1_NC(V_S) RNR1_UR(V_R)	(P)	P=1, N(R) set to V(S) of IUT P=1
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/HFO/S77/DL77_V21 Identifier:DL77_V21 Purpose:Verify that the IUT does not respond to an RR/P=0 command received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !RR(V_A::=V_S) # # START TD ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE	L770	RR0_NC(V_S)	(P) (F)	P=0, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/HFO/S77/DL77_V23 Identifier:DL77_V23 Purpose:Verify that the IUT does not respond to an RR/F=0 response received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !RR(V_A::=V_S) # # START TD ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE	L770	RR0_NR(V_S)	(P) (F)	F=0, N(R) set to V(S) of IUT
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V26 Identifier: DL77_V26 Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)<N(R)<V(S). The IUT is expected to remain in Established state (7.7). Multiple Frame Established state after sending 1 frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL77_2I_SETUP (N_R:=V_S-1) !RR(V_A:=N_R) START Td ?I +DL83_VERIFICATION +DL_POSTAMBLE ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L770	RR0_NR(N_R) I1_UC(N_R, V_R) RNRI_UC(V_R)	(P) (P) (P) (F) (F)	F=0 P=1, retransmit I P=I Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V21 Identifier: DL77_V21 Purpose: Verify that the IUT sends an RNR/F=1 in response to an RR/P=I command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending the I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_1I_SETUP (N_R:=V_S-1) !RR START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL73_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L770	RR1_NC(N_R) RNRI_UR(V_R)	(P) (F) (F) I	P=1 F=1 Test not run
#				
Extended Comments: Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V28				
Identifier:DL77_V28				
Purpose:Verify that the IUT retransmits an I frame in response to an RR/P=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_I1_SETUP (N_R:=V_S-1) !RR START Td ?I +DL83_VERIFICATION +DL_POSTAMBLE ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L770	RR0_NC(N_R) IL_UC(N_R, V_R) RNR1_UC(V_R)	 (P) (P) (F) (F) I	 P=0 P=1, retrans mit I frame P=1 Test not run
#				
Extended Comments:Q.921 Ref. 5.6.5 Executed if the IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V29				
Identifier:DL77_V29				
Purpose:Verify that the IUT retransmits an I frame in response to an RR/F=0 command with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_I1_SETUP (N_R:=V_S-1) !RR START Td ?I +DL83_VERIFICATION +DL_POSTAMBLE ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L770	RR0_NR(N_R) IL_UC(N_R, V_R) RNR1_UC(V_R)	 (P) (P) (F) (F) I	 P=0 P=1, retrans mit I P=1 Test not run
#				
Extended Comments:Q.921 Ref. 5.6.5 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V30 Identifier: DL77_V30 Purpose: Verify that the IUT sends an RNR/F-1 response in response to a REJ/P-1 command received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F-1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !REJ(V_A:=V_S) # # START T200 ?RNR +DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	REJ_NC(V_S) RNR1_OR(V_R)	(P) (F) (F)	P=1, N(R) set to V(S) of IUT F 1
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V31 Identifier: DL77_V31 Purpose: Verify that the IUT sends nothing in response to a REJ/P=0 command received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !REJ(V_A:=V_S) # # START T1 ?TIMEOUT T1 +DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE	L770	REJ_NC(V_S)	(P) (F)	P=0, N(R) set to V(S) of IUT
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V32				
Identifier:DL77_V32				
Purpose:Verify that the IUT does not respond to a REJ/F=0 response received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !REJ(V_A:=V_S) # #		REJ0_NR(V_S)		F=0, N(R) set to V(S) of IUT
START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE	L770		(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.7				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V33				
Identifier:DL77_V33				
Purpose:Verify that the IUT sends an RNR/F=1 and retransmits an I frame in response to an REJ/P=1 command with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_I1_SETUP (N_R:=V_S-1) !REJ START T200 ?RNR START Td ?I # #		REJ1_NC(N_R)		P=1
+DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L771 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #	L770 L771	RNR1_UR(V_R) IP_UC(N_R,V_R,?)	(P) (F) (F) (F) (F)	F=1 Retransmit I, P=don't care
Extended Comments:Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				
			I	Test not run

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V34				
Identifier: DL77_V34				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/P=0 command with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_I1_SETUP (N_R::=V_S-1) !REJ START Td ?I	L770	REJ0_NC(N_R)	(P)	P=0 Retransmit I, P=don't care
#				
#				
+DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))			(F) (F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.4 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V35				
Identifier: DL77_V35				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F=0 response with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_I1_SETUP (N_R::=V_S-1) !REJ START Td ?I	L770	REJ0_NR(N_R)	(P)	F=0 Retransmit I, P=don't care
#				
#				
+DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))			(F) (F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V36 Identifier:DL77_V36 Purpose:Verify that the IUT sends a RNR/F=1 in response to an RNR/P=1 received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Busy state after send RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !RNR(V_A::=V_S) # # START T200 ?RNR +DL77_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	RNR1_NC(V_S) RNR1_UR(V_R)	 (P)	P=1, N(R) set to V(S) of IUT F=1
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V37 Identifier:DL77_V37 Purpose:Verify the the IUT sends nothing in response to an RNR/P=0 received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !RNR(V_A::=V_S) # # START T200 ?TIMEOUT T200 START Td ?RNR !RNR +DL77_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RNR +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE	L770	RNR0_NC(V_S) RNR1_UC(V_R) RNR1_NR(V_S)	 (P) (I) (I) (I)	P=0, N(R) set to V(S) of IUT P=1 F=1
Extended Comments:Q.921 Ref. 5.6.5 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Behaviour Description	Label	Constraints Reference	V	Comments
<pre> (CAN_SEND_A_IFRAME) +DL70_PREAMBLE +DL77_11_SETUP (N_R::=V_S-1) !RNRR </pre>		RNR1_NC(N_R)		$P=1 \vee (A) < N$ $(R) < V(S)$
<pre> START T200 ?RNRR +DL77_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME)) </pre>	L770	RNR1_UR(V_R)	(P)	P=1
			(F)	
			(F)	
			I	Test not run

Extended Comments: Q. 921 Ref. 5.6.5

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V41 Identifier:DL77_V41 Purpose:Verify the the IUT sends nothing in response to an RNR/P=0 with V(A)<=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_I1_SETUP (N_R:=V_S-1) !RNR		RNR0_NC(N_R)		P=0,V(A)<=N(R)<V(S)
# START T200 ?TIMEOUT T200 START Td ?RNR !RNR	L770	RNR1_UC(V_R) RNR1_NR(V_S)	(P)	P=1 F=1
#+DL77_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RNR +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		RNR1_UC(V_R) RNR1_NR(V_S)	(I) (I) (I)	P=1 F=1
#			(F)	Test not run
Extended Comments:Q.921 Ref. 5.6.5 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V43 Identifier:DL77_V43 Purpose:Verify that the IUT does not respond to an RNR/F=0 response with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.7). the IUT is expected to remain in Multiple Frame Established Peer Busy state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_1I_SETUP (N_R:=V_S-1) !RNR </pre>		RNR0_NR(N_R)		$F=0, V(A) < N(R) < V(S)$
<pre> START T200 ?TIMEOUT T200 START Td ?RNR !RNR </pre>	L770	RNR1_UC(V_R) RNR1_NR(V_S)	(P)	$P=1$ $F=1$
<pre> # +DL77_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RNR +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>			(I) (I) (I)	$P=1$ $F=1$
<pre> # </pre>			(F) I	Test not run

Extended Comments:Q.921 Ref. 5.6.5
 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S77/DL77_V44					
Identifier:DL77_V44					
Purpose:Verify that the IUT sends an RNR/F=1 in response to an I frame received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending RNR/F=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL77_PREAMBLE I(V_A::=V_S)		I1_NC(V_R, V_S)		P=1, N(R) set to V_S, N(S) set to V(R) of IUT	
# # #					
START T200	L770	RNR1_UR(V_R)	(P)	F=1	
?RNR					
+DL77_VERIFICATION					
+DL_POSTAMBLE					
+DL77_UNEXPECTED					
GOTO L770					
?OTHERWISE					
+DL_POSTAMBLE					(F)
?TIMEOUT T200					
+DL_POSTAMBLE					(F)

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V45				
Identifier: DL77_V45				
Purpose: Verify that the IUT sends nothing in response to an I/P=0 received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE 11 (V_A::=V_S)		10_NC (V_R, V_S)		P=0, N(R) set to V(S), N(S) set to V(R) of IUT
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L770 L771	RR1_UC(V_R)	(P)	Allow poll due to expiry of T200
+DL87_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L771 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
?RR		RR1_UC(V_R)	(I)	
+DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE			(F)	Fail poll received before expiry of T200
			(F)	

extended Comments: 0.921 Ref. 5.6.2.2

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V46				
Identifier:DL77_V46				
Purpose:Verify that the IUT sends an RNR/F=1 in response to an I/P=1 with N(S)<>V(R) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Reject Recovery state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_S::=V_S+1) ! I(V_A:=V_S)		I1_NC(N_S, V_S)		P=1, N(R) set to V(S) , N(S) not set to V(R) of IUT
# # #				
START T200	L770	RNR1_UR(V_R)	(P)	F=1
?RNR +DL77_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V47				
Identifier:DL77_V47				
Purpose:Verify that the IUT sends an nothing in response to an I/P=0 with N(S)<V(R) received in Multiple Frame Established state (7.7). The IUT is expected to remain Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_S::=V_S+1) ! I (V_A::=V_S)		I0_NC(N_S, V_S)		P=0, N(R) set to V(S) , N(S) not set to V(R) of IUT
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L770			
+DL87_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L771 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR	L771	RR1_UC(V_R)	(P)	Allow poll due to expiry of T200
			(I)	
			(I)	
		RR1_UC(V_R)	(F)	Fail poll received before expiry of T200
+DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE			(F)	

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V48				
Identifier: DL77_V48				
Purpose: Verify that the IUT sends a RNR/F=1 in response to an I/F=1 frame with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL77_21_SETUP (N_R:=V_S-1) ! I		I1_NC(V_R, N_R)		P=1,V(A)<N (R)<V(S), N (S) set to V(R) of IUT
START T200 ?RNR +DL77_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)]	L770	RNR1_UC(V_R)	(P)	F=1
#				P=1, Allow poll for T200 expiry
#			(F)	
#			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V49				
Identifier: DL77_V49				
Purpose: Verify that the IUT sends nothing in response to an I/P=0 received with V(A)<N(R)<V(S) in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL77_21_SETUP (N_R:=V_S-1) ! I		I0_NC(V_R, N_R)		P=0,V(A)<N (R)<V(S), N (S) set to V(R) of IUT
START T200 ?TIMEOUT T200 START T200 ?RNR	L770			
#			(P)	P=1, Allow poll for T200 expiry
#			(I)	
+DL87_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L771 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR	L771	RNR1_UC(V_R)	(I)	
#			(I)	
#			(F)	Fail poll received before T200 expiry
#			(F)	
[NOT (CAN_SEND_IFRAMES)]			I	Test not run

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Behaviour Description	Label	Constraints Reference	V	Comments
Extended Comments:Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V50				
Identifier:DL77_V50				
Purpose:Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)<N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL77_2L_SETUP (N_R:=V_S-1,N_S:=V_R+1) ! I		IL_NC(N_S, N_R)		P=1,V(A)<N (R)<V(S), N (S) not set to V(R) of IUT
START T200 ?RNR +DL77_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L770	RNR1_UR(V_R)	(P)	F=1
#			(F)	
#			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour

Reference:LAPD/MFO/S77/DL77_V51

Identifier:DL77_V51

Purpose:Verify that the IUT sends nothing in response to an I/P=0 frame with V(A)<N(R)<V(S) and N(S)<>V(R) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state.

Default:

Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL77_2L_SETUP (N_R:=V_S-1,N_S:=V_R+1) ! I		I0_NC(N_S, N_R)		P=0,V(A)<N (R)<V(S), N (S) not set to V(R) of IUT
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L770			
#	L771	RRL_UC(V_R)	(P)	Allow poll due to expiry of T200
#			(I)	
+DL87_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L771 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR			(I)	
#			(F)	Fail poll received before expiry of T200
+DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

Extended Comments:Q.921 Ref. 5.6.2.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V52				
Identifier:DL77_V52				
Purpose:Verify that the IUT sends a RNR/F=1 in response to an I frame with V(A)=N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject recovery & Own Busy state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_1I_SETUP (N_R:=V_S-1) !!I START T200 ?RNR +DL77_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L770	IL_NC(V_R, N_R) RNR1_UR(V_R)	(P) (F) (F) I	P=1,V(A)=N (R)<V(S), N (S) set to V(R) of IUT F=1 Test not run
# # #				
#				

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Behaviour Description	Label	Constraints Reference	V	Comments
# [NOT(CAN_SEND_A_IFRAME)]			I	Test not run

Extended Comments: Q. 921 Ref. 5.6.2.2

Behaviour Description	Label	Constraints Reference	V	Comments
# [NOT(CAN_SEND_A_IFRAME)]			I	Test not run

Extended Comments: Q. 921 Ref. 5.6.2.2

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7.7.9.С.Тай Т26.8:С.Тай

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V54 Identifier:DL77_V54 Purpose:Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> {CAN_SEND_A_IFRAME} +DL70_PREAMBLE +DL77_II_SETUP (N_R::=V_S-1,N_S::=V_R+1) !I </pre>		<pre> II_NC(N_S, N_R) </pre>		P=1,V(A)=N (R)<V(S), N (S) not set to V(R) of IUT
<pre> START T200 ?RNR +DL77_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>	L770	RNR_UR(V_R)	(P)	P=1
			(F)	
			(F)	
			I	Test not run

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V54 Identifier:DL77_V54 Purpose:Verify that the IUT sends a RNR/F=1 in response to an I/P=1 frame with V(A)=N(R)<V(S) and N(S)<V(R) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> {CAN_SEND_A_IFRAME} +DL70_PREAMBLE +DL77_II_SETUP (N_R::=V_S-1,N_S::=V_R+1) !I </pre>		<pre> II_NC(N_S, N_R) </pre>		P=1,V(A)=N (R)<V(S), N (S) not set to V(R) of IUT
<pre> START T200 ?RNR +DL77_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>	L770	RNR_UR(V_R)	(P)	P=1
			(F)	
			(F)	
			I	Test not run

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Extended Comments: Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_V55				
Identifier: DL77_V55				
Purpose: Verify that the IUT sends nothing in response to an I/P=0 frame with $V(A)=N(R)<V(S)$ and $N(S)<V(R)$ received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Receiver Busy/Reject Recovery & Own Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(CAN_SEND_A_IFRAME) +DL70_PREAMBLE +DL77_IL_SETUP (N_R:=V_S-1, N_S:=V_R+1) !!				
# # # #				
START T200 ?(T200value-DELTA)				
#				
?TIMEOUT T200	L770			
START T200				
?RR	L771	IO_NC(N_S, N_R)	(F)	$P=0, V(A)=N(R)<V(S), N(S)$ not set to $V(R)$ of IUT
+DL87_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L771 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
?RR		REL_UC(V_R)	(I) (I) (F)	Allow poll due to expiry of T200 Fail poll received before expiry of T200
+DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE				
# # # #				
			(F)	

[8]

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Behaviour Description	Label	Constraints Reference	V	Comments
[NOT(CAN_SEND_A_IFRAME)] +DL_POSTAMBLE			I	Test not run
#				

Extended Comments:Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V56 Identifier:DL77_V56 Purpose:Verify that the IUT sends an RNR/P=1 after a T200 timeout in Multiple Frame Established state (7.7). The IUT is expected to enter Timer Recovery state (8.7) after sending RNR/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL73_PREAMBLE +DL77_LI_SETUP (N_S:=V_S-1) START Td ?RNR +DL87_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L770	RNR1_UC(V_R)	(P)	P=1
#				Test not run

Extended Comments:Q.921 Ref. 5.6.7

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Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_V58 Identifier:DL77_V58 Purpose:Verify that the IUT sends an RR/F=0 when it clears OWN_BUSY in Multiple Frame Established state (7.7). The IUT is expected to enter Multiple Frame Established state after sending RR/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_CLR_OWN_BUSY] +DL77_PREAMBLE <IUT:CLEAR_OWN_BUSY> START Td ?RR +DL75_VERIFICATION +DL_POSTAMBLE ?RR +DL70_VERIFICATION +DL_POSTAMBLE ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_CLR_OWN_BUSY)]	L770	RR0_UR(V_R)	(P)	F=0
#				Test not run

Extended Comments:Q.921 Ref. 5.6.6
Executed if IUT is able to clear own busy on request.

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/ST77/DL77_N02 Identifier: DL77_N02 Purpose: Verify that the IUT sends a SAHME/P=1 in response to an NR/P=0 command with an N(R) error received in Multiple frame Established state (7.7). The IUT is expected to enter Awaiting establishment state after sending SAHME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREMABLE (N_R:=V_S*(K+1)) !RR START T200 ?SAHME +DL51_VERIFICATION +DL_POSTMABLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTMABLE ?TIMEOUT T200 +DL_POSTMABLE	L770	RR0_NC(N_R) SAHME1_UC	(P) (F) (F)	P=0 P=1

Extended Comments: Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N03				
Identifier:DL77_N03				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/F=1 response with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_R::=V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	RR1_NR(N_R) SABME1_UC	 (P)	 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N04				
Identifier:DL77_N04				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/F=0 with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_R::=V_S+(K+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	RR0_NR(N_R) SABME1_UC	 (P)	 F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAHD/WFO/S77/DL77_N06				
Identifier: DL77_N06				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 command with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_R := V_S+(K+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	REJ0_NC(N_R) SABME1_UC	(P) (F) (F)	P=0 P=1

Extended Comments: 0.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N07 Identifier:DL77_N07 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 Response with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREMABLE (N_R: :=V_S*(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	REJ1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N08 Identifier:DL77_N08 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 Response with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_R::=V_S*(K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	REJ0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_N09				
Identifier: DL77_N09				
Purpose: Verify that the IUT sends an RNR/P=1 and a SABME/P=1 in response to an RNR/P=1 command with a N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_R:=V_S+(K+1)) !RNR START T200 ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L771 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770 L771	RNR1_NC(N_R) RNR1_UR(V_R) SABME1_UC	 (P) (P)	P=1 P=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_N10				
Identifier: DL77_N10				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an RNR/P=0 command with an N(R) error received in the Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending a SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_R:=V_S+(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	RNR0_NC(N_R) SABME1_UC	 (P) (F) (F)	P=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N11				
Identifier:DL77_N11				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/F=1 Response with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_R::=V_S+(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	RNR1_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N12				
Identifier:DL77_N12				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR/F=0 Response with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_R::=V_S+(K+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L770	RNR0_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_N13				
Identifier: DL77_N13				
Purpose: Verify that the IUT sends an RNR/F=1 and a SABME/P=1 in response to an I/P=1 frame with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:	Behaviour Description	Label	Constraints Reference	V
<pre> +DL77_PREAMBLE (N_R:=V_S+(K+1)) !! # </pre>	<pre> START T200 ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L771 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE </pre>	L770 L771	I1_NC(V_R, N_R) RNR1_UR(V_R) SABME1_UC	P=1 F=1 P=1
				(F)
				(F)
				(P)
				(F)
				(F)

Extended Comments: O. 921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_N14				
Identifier: DL77_N14				
Purpose: Verify that the IUT sends a SABME/P-1 in response to an I/P=P=0 with an N(R) error received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_R::=V_S*(K+1)) ! I # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	I0_NC (V_R, N_R) SABME1_UC	(P) (F) (F)	P=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_N15				
Identifier: DL77_N15				
Purpose: Verify that the IUT sends an RNR/F=1 and sends a SABME/P=1 in response to an I/P=1 with an N(R) error and N(S)<V(R) received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_S:=V_R+1, N_R:=V_S+(K+1)) ! I		IL_NC(N_S, N_R)		P=1
#				
START T200				
?RNR	L770	RNR1_UR(V_R)		F=1
START Td				
?SABME	L771	SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE				
+DL77_UNEXPECTED GOTO L771				
?OTHERWISE				(F)
+DL_POSTAMBLE				
?TIMEOUT Td				(F)
+DL_POSTAMBLE				
?SABME				
+DL51_VERIFICATION +DL_POSTAMBLE				
+DL77_UNEXPECTED GOTO L770				
?OTHERWISE				(F)
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_N16				
Identifier: DL77_N16				
Purpose: Verify that the IUT sends a SABME/F=1 in response to an I/P=0 with an N(R) error and N(S)=V(R) received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE (N_S:=V_R+1, N_R:=V_S+(K+1)) ! I		IO_NC(N_S, N_R)		P=0
#				
START T200				
?SABME	L770	SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE				
+DL77_UNEXPECTED GOTO L770				
?OTHERWISE				(F)
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N17				
Identifier:DL77_N17				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a SABME of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !SABME_TL START 'td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT 'td +DL_POSTAMBLE	L770	SABME_TL1_NC SABME1_UC	(P) (F) (F)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N18				
Identifier:DL77_N18				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !DISC_TL START 'td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT 'td +DL_POSTAMBLE	L770	DISC_TL1_NC SABME1_UC	(P) (F) (F)	P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N19				
Identifier:DL77_N19				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a UA of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !UA_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	UA_TL1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N20				
Identifier:DL77_N20				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !DM_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	DM_TL1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_N21				
Identifier: DL77_N21				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a FRMR of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !FRMR_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	FRMR_TL1_NR SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_N22				
Identifier: DL77_N22				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an RR of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !RR_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	RR_TL1_NC (V_S) SABME1_UC	(P) (F) (F)	P=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N23 Identifier:DL77_N23 Purpose:Verify that the IUT sends a SABME/P=1 in response to an RNR of incorrect length received in Multiple Frame Established state (7.7). the IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !RNR_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	RNR_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N24 Identifier:DL77_N24 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ of incorrect length received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !REJ_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	REJ_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_N25				
Identifier: DL77_N25				
Purpose: Verify that the IUT sends a SARME/P=1 in response to an I frame with excess length (N201 error) received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SARME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE ! I_TL # START Td ?SARME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	I_TL1_NC (V_R, V_S) SARME1_UC	(P)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S77/DL77_N26				
Identifier: DL77_N26				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an undefined command received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !UNDEF START TD ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT TD +DL_POSTAMBLE	L770	UNDEF1_NC SABME1_DC	(P)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_N27 Identifier:DL77_N27 Purpose:Verify that the IUT sends a SABME/P=1 in response to a frame with an invalid I field received in Multiple Frame Established state (7.7). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !SABME_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L770	SABME_TLL_NC SABME1_UC	(P) (P)	P=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S77/DL77_I01 Identifier:DL77_I01 Purpose:Verify that the IUT does not respond to an RR/F=1 response received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending no response. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !RR(V_A::=V_S) # # START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE	L770	RR1_NR(V_S)	(P)	F=1, N(R) set to V(S) of IUT
			(F)	
Extended Comments:Q.921 Ref. 5.8.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S77/DL77_I03 Identifier: DL77_I03 Purpose: Verify that the IUT retransmits an I frame in response to an RR/F=1 response with V(A)=N(R)<V(S) received in Multiple frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_I1_SETUP (N_R:=V_S-1) !RR START Td ?I	L770	RR1_NR(N_R)	(P)	F=1
+DL83_VERIFICATION +DL_POSTAMBLE ?RRR +DL83_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		I1_UC(N_R, V_R) RRNR_UC(V_R)	(P) (P)	P=1, retransmit I P=1
#			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_I04				
Identifier: DL77_I04				
Purpose: Verify that the IUT does not respond to a REJ/F=1 response received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !REJ(V_A::=V_S)		REJ1_NR(V_S)		F=1, N(R) set to v(S) of IUT
# # START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE	L770		(P) (F)	
Extended Comments: Q.921 Ref. 5.8.7				

730

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S77/DL77_I05				
Identifier: DL77_I05				
Purpose: Verify that the IUT retransmits an I frame in response to an REJ/F=1 response with V(A)<N(R)<V(S) received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established state after sending I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_I1_SETUP (N_R::=V_S-1) !REJ START Td ?I	L770	REJ1_NR(N_R)		F=1
# # +DL73_VERIFICATION +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))		IF_UC(N_R,V_R, ,?)	(P) (F) (F) I	Retransmit I, P=don't care Test not run
Extended Comments: Q.921 Ref. 5.8.7 Executed if IUT is able to send I frame on request.				

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S77/DL77_I06				
Identifier:DL77_I06				
Purpose:Verify that the IUT sends nothing in response to an RNR/F 1 response received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL77_PREAMBLE !RNR(V_A:=V_S)		RNR1_NR(V_S)		F=1, N(R) set to V(S) of IUT
# #	L770		(P)	P=1 F=1
START T200 ?TIMEOUT T200 START Td ?RNR !RNR +DL77_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RNR +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE		RNR1_UC(V_S) RNR1_NR(V_S) 	(I) 	
		RNR1_UC(V_R) RNR1_NR(V_S)	(I)	P=1 F=1
			(F)	
Extended Comments:Q.921 Ref. 5.8.7 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S77/DL77_107				
Identifier: DL77_107				
Purpose: Verify that the IUT sends nothing in response to an RNR/P=1 response with $V(A) < N(R) < V(S)$ received in Multiple Frame Established state (7.7). The IUT is expected to remain in Multiple Frame Established Peer Busy state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL77_1I_SETUP (N_R := V_S-1) !RNR START T200 ?TIMEOUT T200 START Td ?RNR !RNR +DL77_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR !RNR +DL_POSTAMBLE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] </pre>	L770	RNR1_NR(N_R)		$F=1, V(A) < N(R) < V(A)$
		RNR1_UC(V_S) RNR1_NR(V_S)	(P)	P=1 F=1
			(I)	
			(I)	
		RNR1_UC(V_S) RNR1_NR(V_S)	(I)	P=1 F=1
			(F)	
			I	Test not run

Extended Comments: Q.921 Ref. 5.8.7
 Tester responds to an RNR(P=1) from the IUT to keep the IUT from changing states.

LAPD Conformance Testing

[illegible]

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V04 Identifier: DL80_V04 Purpose: Verify that the IUT does not send additional I frames in Timer Recovery state (8.0) when V_S = V_A+K (window is closed). The IUT is expected to remain in Timer Recovery state (8.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL80_WC_SETUP				set window closed and timer req
# # START TD (N_S::=V_S-1) ?TIMEOUT TD	L800		(P)	IUT sends nothing
# +DL80_VERIFICATION +DL_POSTAMBLE ?RR				
# # +DL80_VERIFICATION +DL_POSTAMBLE ?I		RR1_UC(V_R)	(P)	P=1, IUT polls w/ RR/1
# # +DL80_VERIFICATION +DL_POSTAMBLE ?I		I1_UC(N_S, V_R)	(P)	P=1, IUT retrans. last I
# # +DL80_VERIFICATION +DL_POSTAMBLE ?I		I0_UC(V_S, V_R)	(F)	IUT sends queued I - Fail
# +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#			I	Test not run
Extended Comments: 0.921 Ref. 5.6.1				

4 Abstract Test Suite - Part I

1459

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V08 Identifier: DL80_V08 Purpose: Verify that the IUT sends a UA/F 1 in response to a SABME/P-1 received in Timer Recovery state (8.0). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !SABME START T200 ?UA (V_S::=0, V_R::=0, V_A::=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	SABME1_NC UA1_UR	(P) (F) (F) (F)	P=1 P=1
Extended Comments: 0.921 Ref. 5.5.2				

4 Abstract Test Suite - Part I

1460

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S80/DL80_V10					
Identifier:DL80_V10					
Purpose:Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Timer Recovery state (8.0). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL80_PREAMBLE !SABME START T200 ?UA (V.S::=0,V.R::=0,V.A::=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	SABME0_NC UA0_UR	 (P)	P=0 F=0	

Extended Comments:Q.921 Ref. 5.5.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S80/DL80_V12 Identifier: DL80_V12 Purpose: Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.0). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	DISC_MC UA1_UR	(P) (F) (F)	P=1 F=1
Extended Comments: Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V13				
Identifier:DL80_V13				
Purpose:Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.0). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE	L800	DISC0_NC	(P)	P=0
!DISC				F=0
START T200				
?UA				
+DL40_VERIFICATION				
+DL_POSTAMBLE				
+DL80_UNEXPECTED				
GOTO L800				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V14				
Identifier:DL80_V14				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/P=1 received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE	L800	DM1_NR SABME1_UC	(P)	F=1
!DM				P=1
START T200				
?SABME				
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL80_UNEXPECTED				
GOTO L800				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200			(F)	
+DL_POSTAMBLE				(F)
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S80/DL80_V15				
Identifier:DL80_V15				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE		DM0_NR		F=0
!DM				
START T200				
?SABME	L800	SABME1_UC	(P)	P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL80_UNEXPECTED				
GOTO L800				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S80/DL80_V17				
Identifier: DL80_V17				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a FMRM/P=1 received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !FMRM_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	FMRM_RR1_NR SABME1_UC	 (P) (F) (F)	P=1 P=1

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V20				
Identifier: DL80_V20				
Purpose: Verify that the IUT sends a RR/F 1 in response to a RR/P 1 (V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F 1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !RR		RR1_NC(V_S)		P=1 V_A<N_R<V_S
START T200 ?RR	L800	RR1_UR(V_R)	(P)	F 1
+DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V21				
Identifier: DL80_V21				
Purpose: Verify that the IUT sends nothing in response to a RR/P=0 (V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending nothing.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !RR		RR0_NC(V_S)		P=0 V_A<N_R<V_S
START T200 (T200value DELTA) ?TIMEOUT T200 START T200 ?RR	L800			
+DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR	L801	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
			(I)	
			(I)	
		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V22				
Identifier:DL80_V22				
Purpose:Verify that the IUT sends nothing in response to a RR/F=1 (V_A<N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !RR # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE	L800	RR1_NR(V_S)	(P)	F=1 V_A<N_R<=V_S
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V23				
Identifier:DL80_V23				
Purpose:Verify that the IUT sends nothing in response to a RR/F=0 (V_A<N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !RR # START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L800	RR0_NR(V_S)		F=0 V_A<N_R<=V_S
+DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR # # #	L801	RR1_UC(V_R)	(P)	Allow poll due to expiry of T200
Extended Comments:Q.921 Ref. 5.6.5				
+DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE		RR1_UC(V_R)	(I)	Fail a poll before expiry of T200
			(I)	
			(F)	
			(F)	

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V24				
Identifier: DL80_V24				
Purpose: Verify that the IUT sends a RR/F=1 in response to a REJ/P=1 (V_A=N, R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !REJ		REJ1_NC(V_S)		P=1 V_A<=N_ R<=V_S
#				
START T200 ?RR	L800	RR1_UR(V_R)	(P)	F=1
+DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800				
?OTHERWISE			(F)	
+DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V25				
Identifier: DL80_V25				
Purpose: Verify that the IUT sends nothing in response to a REJ/P=0 (V_A<=N, R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !REJ		REJ0_NC(V_S)		P=0 V_A<=N_ R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L800			
#	L801	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L801				
?OTHERWISE			(I)	
+DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
#				
?RR		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
+DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800				
?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V27				
Identifier:DL80_V27				
Purpose:Verify that the IUT sends nothing in response to a REJ/F=0 (V_A=N_R<=V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE				F=0 V_A<=N_R<=V_S
!REJ		REJ0_NR (V_S)		
# START T200 (T200value-DELTA)	L800			
?TIMEOUT T200				
START T200	L801	RR1_UC (V_R)	(P)	Allow a poll due to expiry of T200
#				
# +DL80_VERIFICATION				
# +DL_POSTAMBLE			(I)	
# +DL80_UNEXPECTED			(I)	
GOTO L801				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
?RR		RR1_UC (V_R)	(F)	Fail a poll before expiry of T200
#				
# +DL_POSTAMBLE				
# +DL80_UNEXPECTED				
GOTO L800				
?OTHERWISE				
+DL_POSTAMBLE			(F)	

extended Comments:0.921 Ref. 5.6.4

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S80/DL80_V28				
Identifier:DL80_V28				
Purpose:Verify that the IUT sends a RR/F 1 in response to a RNR/P 1 (V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !RNR		RNR1_NC(V_S)		P=1 V_A<N_R<V_S
#				
START T200 ?RR				
+DL84_VERIFICATION +DL_POSTAMBLE GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/NFO/S80/DL80_V29				
Identifier:DL80_V29				
Purpose:Verify that the IUT sends nothing in response to a RNR/P-0 (V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !RNR		RNR0_NC(V_S)		P=0 V_A<N_R<V_S
#				
START T200 (T200value DELTA) ?TIMEOUT T200 START T200 ?RR	L800			
	L801	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
			(I)	
			(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE		RR1_UC(V_R)		
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				
			(F)	

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V30				
Identifier:DL80_V30				
Purpose:Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<N,R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Multiple Frame Established state (7.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !RNR		RNR1_NR(V_S)		F=1 V_A<N_R<V_S
#				
START T200 ?TIMEOUT T200 START Td ?RR +DL84_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE	L800	RR1_UC(V_R)	(P)	P=1
			(I)	
			(I)	
		RR1_UC(V_R)	(I)	P=1
			(F)	
Extended Comments:Q.921 Ref. 5.6.5 At the instant that the IUT receives RNR/F=1, it starts its T200 timer. In order to not incorrectly fail the IUT when it sends a poll upon expiry of its T200, a poll received prior to the TIMEOUT of T200 is assigned an INCONCLUSIVE verdict; a poll received after expiry of T200 is assigned a conditional PASS verdict with a verification of the appropriate state.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V31				
Identifier:DL80_V31				
Purpose:Verify that the IUT sends nothing in response to a RNR/F=0 (V_A<N,R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !RNR		RNR0_NR(V_S)		F=0 V_A<N_R<V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L800			
	L801	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR			(I)	
			(I)	
		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S80/DL80_V32					
Identifier:DL80_V32					
Purpose:Verify that the IUT sends a RR/F=1 in response to a I/P=1 received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
#	+DL80_PREMABLE ! I (V_R::=V_R+1) START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	I1_NC (V_R, V_S) RR1_UR(V_R)	 (P) (F) (F)	P=1 N_S=V_R N_R=V_S F=1
Extended Comments:Q.921 Ref. 5.6.2.1					

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S80/DL80_V33 Identifier: DL80_V33 Purpose: Verify that the IUT RR/F=0 in response to a I/P=0 received in Timer Recovery state (8.0). The IUT is expected to remain in Timer Recovery state (8.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !I (V_R:=V_R+1) # START T200 ?TIMEOUT T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE ?I # +DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE	L800 L801	IO_NC (V_R, V_S) RR1_UC (V_R) II_NC (V_S, V_R)	(P) (P) (F)	P=0 N_S=V_R N_R=V_S P=1 P=1
Extended Comments: Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S80/DL80_V34					
Identifier:DL80_V34					
Purpose:Verify that the IUT sends a REJ/F=1 in response to a I/P=1 (N_S<>V_R, N_R=V_S) received in timer recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL80_PREAMBLE (N_S::=V_R+1) ! I		I1_NC(N_S, V_S)		P=1	
#					
START T200 ?REJ +DL81_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	REJ_UR(V_R)	(P)	F=1	
			(F)		
			(F)		

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V35				
Identifier:DL80_V35				
Purpose:Verify that the IUT sends a REJ/F=0 in response to a I/P=0 (N_S->V_R, N_R=V_S) received in timer recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_S::=V_R+1) ! !		I0_NC(N_S, V_S)		P=0
#				
START T200 ?REJ +DL81_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	REJ0_UR(V_R)	(P)	F=0
			(F)	
			(F)	

Extended Comments:Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V36				
Identifier: DL80_V36				
Purpose: Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL80_2I_SETUP ! I (V_R:=V_R+1)		IL_NC (V_R, V_S)		P=1 (N_S=V_R, V_A<N_R<V_S)
#				
#				
START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)]	L800	RR1_UR (V_R)	(P)	F=1
#				
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V37				
Identifier: DL80_V37				
Purpose: Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL80_2I_SETUP ! I (V_R:=V_R+1)		IO_NC (V_R, V_S)		P=0 (N_S=V_R, V_A<N_R<V_S)
#				
#				
START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE ? I	L800	RR0_UR (V_R)	(P)	F=0
#				
+DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)]		IL_UC (V_S, V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V38				
Identifier:DL80_V38				
Purpose:Verify that the IUT sends a REJ/F=1 in response to a I/P=1 (N_S<V_R V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL80_2I_SETUP (N_S::=V_R+1) ! I		I0_NC(N_S, V_S)		P=1 (N_S<V_R, V_A<N_R<V_S)
#				
#				
START T200 ?REJ +DL81_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L800	REJ1_UR(V_R)	(F)	F 1
#				
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V39				
Identifier:DL80_V39				
Purpose:Verify that the IUT sends a REJ/F=0 in response to a I/P=0 (N_S<V_R V_A<N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL80_2I_SETUP (N_S::=V_R+1) ! I		I0_NC(N_S, V_S)		P=0 (N_S<V_R, V_A<N_R<V_S)
#				
#				
START T200 ?REJ +DL81_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L800	REJ1_UR(V_R)	(P)	F=0
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S80/DL80_V40				
Identifier: DL80_V40				
Purpose: Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S=V_R V_A=N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE +DL80_I1_SETUP ! I (V_R:=V_R+1)		I1_NC(V_R, V_S)		P=1 (N_S=V_R, V_A=N_R< V_S)
#				
#				
START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S80/DL80_V41				
Identifier: DL80_V41				
Purpose: Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S=V_R V_A=N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL80_I1_SETUP ! I (V_R:=V_R+1)		I0_NC(V_R, V_S)		S7.0
#				P=0
START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE ?I	L800	RR0_UR(V_R)	(P)	F=0
#				
+DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		I1_UC(V_S, V_R)	(P)	P=1
			(F)	
			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V42				
Identifier: DL80_V42				
Purpose: Verify that the IUT sends a REJ/F=1 in response to a I/P=1 (N_S<V_R V_A=N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL80_II_SETUP (N_S:=V_R+1) ! I		I1_NC(N_S, V_S)		P=1 (N_S<V_R, V_A=N_R<V_S)
#				
#				
START T200 ?REJ +DL81_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L800	REJ1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run
#				
Extended Comments: Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V43				
Identifier: DL80_V43				
Purpose: Verify that the IUT sends a REJ/F=0 in response to a I/P=0 (N_S<V_R V_A=N_R<V_S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.1) after sending REJ/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL80_II_SETUP (N_S:=V_R+1) ! I		I0_NC(N_S, V_S)		P=0 (N_S<V_R, V_A=N_R<V_S)
#				
#				
START T200 ?REJ +DL81_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L800	REJ0_UR(V_R)	(P)	F=0
			(F)	
			(F)	
			I	Test not run
#				
Extended Comments: Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V44				
Identifier: DL80_V44				
Purpose: Verify that the IUT sends a SAME/P 1 after timeout of T200 N200 times in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SAME/P 1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (RC::=1)				Timeout once in Preamble
#				
#				
[RC<N200] START T3 ?RR(RC::=RC+1) GOTO L800 +DL80_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T3 +DL_POSTAMBLE	L800			
[RC=N200] START T3 ?SAME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L802 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T3 +DL_POSTAMBLE	L801	RR1_UC(V_R)		P=1
			(F)	
			(F)	
			(P)	P=1
	L802	SAME1_UC		
			(F)	
			(F)	

Extended Comments: Q.921 Ref. 5.6.7

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_V45				
Identifier: DL80_V45				
Purpose: Verify that the IUT sends a RR/P=1 or retransmits 1/P=1 after a timeout T200 (RC<N200, V A<V_S) in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL80_11_SETUP START T3 (N_S::=V_S-1) ?RR +DL80_VERIFICATION +DL_POSTAMBLE	L800	RR1_UC(V_R)	(P)	P=1
#				
?I +DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T3 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		11_UC(V_S, V_R)	(P)	P=1
#			(F)	
			(F)	
			I	Test not run

Extended Comments: Q.921 Ref. 5.6.7

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V46				
Identifier:DL80_V46				
Purpose:Verify that the IUT sends a RR/P=1 in response to a timeout T200 (RC<N200.V.A=V.S) received in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[T203_IMPLEMENTED] +DL80_PREAMBLE START Td ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(T203_IMPLEMENTED)]	L800	RR1_UC(V_R)	(P)	P=1
#				Test not run
Extended Comments:Q.921 Ref. 5.6.7 Time out with V(A)=V(S) can be achieved only when T203 is implemented.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_V47				
Identifier:DL80_V47				
Purpose:Verify that the IUT sends a RNR/P=1 or RNR/F=0 when it sets OWN_BUSY in Timer Recovery state (8.0). The IUT is expected to be in Timer Recovery/ Normal/ Own Busy state (8.2) after sending RNR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL80_PREAMBLE <IUT!RNR> START Tdpr ?RNR +DL82_VERIFICATION +DL_POSTAMBLE ?RNR +DL82_VERIFICATION +DL_POSTAMBLE ?RR GOTO L800 +DL80_UNEXPECTED GOTO L800 ?SABME +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Tdpr +DL_POSTAMBLE [NOT(CAN_TEST_OWN_BUSY)]	L800	RNR1_UC(V_R) RNR0_UR(V_R) RR1_UC(V_R) SABME1_UC	(P) (P) (I) (F) (F)	Set Own Busy P=1 F=0 P=1 P=1
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.6				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_N01				
Identifier: DL80_N01				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R := ((V_S+K)+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L802 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	RR1_NC(N_R) SABME1_UC RR1_UR(V_R) SABME1_UC	 (P) (P) (F) (F) (F) (F)	 P=1 P=1 F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N03 Identifier:DL80_N03 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R:=((V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L800	RR1_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N04 Identifier:DL80_N04 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R:=((V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L800	RR0_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

[illegible]

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_N06 Identifier: DL80_N06 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RES/P=0 (N_R=V_S+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R::= ((V_S+K) + 1)) !RET START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	REJO_NC (N_R) SABME1_UC	(P) (F) (F)	P=0 P=1

Extended Comments: Q.921 Ref. 5.8.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N07				
Identifier:DL80_N07				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R::=((V_S+K)+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L800	REJ1_NR(N_R) SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N08				
Identifier:DL80_N08				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R::=((V_S+K)+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L800	REJ0_NR(N_R) SABME1_UC	(P)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N09				
Identifier:DL80_N09				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R:=((V_S+K)+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L801 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	RNR1_NC(N_R) SABME1_UC RR1_UR(V_R) SABME1_UC	 (P) (P)	P=1 P=1 P=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N10				
Identifier:DL80_N10				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R:=((V_S+K)+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	RNR0_NC(N_R) SABME1_UC	 (P) (F) (F)	P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N11 Identifier:DL80_N11 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/F=1 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R::=((V_S+K)+1)) !RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L800	RNR1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N12 Identifier:DL80_N12 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/F=0 (N_R=V_S+K+1) received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R::=((V_S+K)+1)) !RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L800	RNR0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N13				
Identifier:DL80_N13				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S=V_R, N_R=V_S+K+1) received in timer recovery state (8.0). The IUT is expected to be in awaiting establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R := ((V_S+K)+1)) !I (V_R := V_R+1)		IL_NC(V_R, N_R)		P=1
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE	L800	SABME1_UC	(P)	P=1
?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L801	RR1_UR(V_R)	(P)	P=1
			(F)	
			(F)	
			(F)	
			(F)	

Extended Comments:Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N14 Identifier:DL80_N14 Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=P=0 (N_S=V_R, N_R=V_S+k+1) received in timer Recovery state (8.0). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_R:=((V_S+K)+1)) ! I		I0_NC(V_R, N_R)		P=0
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	SABME1_UC	(P)	P=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N15 Identifier:DL80_N15 Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S<V_R, N_R=V_S+K+1) received in Timer Recovery state (8.0) . The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_S:=V_R+1,N_R:=((V_S+K)+1)) !I # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	IL_NC(N_S, N_R) SABME1_UC REJ1_UR(V_R) SABME1_UC	(P) (P) (P) (P) (F) (F) (F) (F)	P=1 P=1 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N16 Identifier:DL80_N16 Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S<V_R, N_R=V_S+K+1) received in Timer Recovery state (8.0) . The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE (N_S:=V_R+1,N_R:=((V_S+K)+1)) !I # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L801 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	IQ_NC(N_S, N_R) SABME1_UC REJ0_UR(V_R) SABME1_UC	(F) (F) (F) (F) (F) (F)	P=0 P=1 F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N17				
Identifier:DL80_N17				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a SABME frame, with excess length received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !SABME_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	SABME_TL1_NC SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N18				
Identifier:DL80_N18				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !DISC_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	DISC_TL1_NC SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N19				
Identifier:DL80_N19				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a UA frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !UA_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	UA_TL1_NR SABME1_UC	(P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S80/DL80_N20				
Identifier:DL80_N20				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !DM_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	DM_TL1_NR SABME1_UC	(P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_N21				
Identifier: DL80_N21				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a FRMR frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !FRMR_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	FRMR_TL1_NR SABME1_UC	 (P) (F) (F)	 P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S80/DL80_N22				
Identifier:DL80_N22				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !RR_TL		RR_TL1_NC (V_S)		
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	SABME1_UC	(P)	P=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour			
Reference: LAPD/MFO/S80/DL80_N24 Identifier: DL80_N24 Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ frame, with excess length, received in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:			
Behaviour Description	Label	Constraints Reference	V
+DL80_PREAMBLE !REJ_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	REJ_TL1_NC (V_S) SABME1_UC	(P) P=1 (F) (F)

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S80/DL80_N27 Identifier: DL80_N27 Purpose: Verify that the IUT sends a SABME/P=1 in response to a frame in error (I field not permitted) in Timer Recovery state (8.0) . The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE :SABME_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	SABME_TL1_NC SABME1_UC	(P) (F) (F)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V01 Identifier: DL81_V01 Purpose: Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_SABME] +DL81_PREAMBLE <IUT:SABME> # # # START Topr (T200value*N200) ?SABME +DL50_VERIFICATION +DL_POSTAMBLE ?RR GOTO L810 +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_SEND_SABME)] #	L810	SABME1_UC RR1_UC(V_R)	(P) (F) (I) I	Initiate Link Establishment Request P=1 P=1 Test not run
Extended Comments: Q.921 Ref. 5.5.1.2 In order to successfully execute this test, the test operator must be able to have the IUT send a SABME in less than T200*N200 seconds.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V03				
Identifier: DL81_V03				
Purpose: Verify that the IUT does not send additional I frames in Timer Recovery state (8.1) even if $V_S < V_A + K$. The IUT is expected to remain in Timer Recovery state (8.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL81_PREAMBLE <IUT! I>				Init one DL Data Request
#				
#				
START Topr (CNT:=0) [CNT<N200] ?RR (CNT:=CNT + 1) GOTO L810 +DL81_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [CNT=N200] ?SABME	L810 L811	RR1_UC(V_R)		
+DL50_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L812 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))	L812	SABME1_UC	(F) (I) (F) (I)	SABME after N200 polls
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V04				
Identifier: DL81_V04				
Purpose: Verify that the IUT does not send additional I frames in Timer Recovery state (8.1) when $V_S = V_A + K$ (window closed). The IUT is expected to remain in Timer Recovery state (8.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL81_WC_SETUP				set window closed and timer req
#				
#				
START Td (N_S:=V_S-1) ?TIMEOUT Td +DL81_VERIFICATION +DL_POSTAMBLE ?RR	L810	RR1_UC(V_R)	(P)	IUT sends nothing
#			(P)	P=1, IUT Polls w/ RR/1
#				
+DL81_VERIFICATION +DL_POSTAMBLE ?I		II_UC(N_S, V_R)	(P)	P=1, IUT retrans. last I
#				
#				
+DL81_VERIFICATION +DL_POSTAMBLE ?I		IO_UC(V_S, V_R)	(F)	IUT sends queued I - Fail
#				
#				
+DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE (NOT(CAN_SEND_IFRAMES))			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V08				
Identifier:DL81_V08				
Purpose:Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer Recovery state (8.1). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0)	L810	SABME1_NC UA1_UR	(P)	P=1 F=1
# +DL70_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.5.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V10				
Identifier:DL81_V10				
Purpose:Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Timer Recovery state (8.1). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0)	L810	SABME0_NC UA0_UR	(P)	P=0 F=0
# +DL70_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V12				
Identifier: DL81_V12				
Purpose: Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.1). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !DISC START T200 ?UA	L810	DISC1_NC		P=1
#		UA1_UR	(P)	F=1
+DL40_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V13				
Identifier: DL81_V13				
Purpose: Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.1). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !DISC START T200 ?UA	L810	DISC0_NC		P=0
#		UA0_UR	(P)	F=0
+DL40_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V14 Identifier:DL81_V14 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/P=1 received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !DM START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	DM1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V15 Identifier:DL81_V15 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/P=0 received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !DM START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	DM0_NR SABME1_UC	(P)	F=0 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V17				
Identifier:DL81_V17				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR/P=1 received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !FRMR_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	FRMR_RR1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V20				
Identifier:DL81_V20				
Purpose:Verify that the IUT sends a RR/F=1 in response to a RR/P=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !RR # START T200 ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	RR1_NC(V_S) RR1_UR(V_R)	(P)	P=1 V_A<=N_R<=V_S F=1
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V21 Identifier:DL81_V21 Purpose:Verify that the IUT sends nothing in response to a RR/P=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !RR		RR0_NC(V_S)		P=0 V_A<=N_R<=V_S
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L810			
# # # # +DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR	L811	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
# # # +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE		RR1_UC(V_R)	(I)	Fail a poll before expiry of T200
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V22 Identifier:DL81_V22 Purpose:Verify that the IUT send nothing in response to a RR/F=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Multiple Frame Established state (7.1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !RR		RR1_NR(V_S)		F=1 V_A<=N_R<=V_S
# START Td ?TIMEOUT Td				
# +DL71_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE	L810		(P)	
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V23				
Identifier: DL81_V23				
Purpose: Verify that the IUT sends nothing in response to a RR/F=0 (V_A<=N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !RR		RR0_NR(V_S)		F=0 V_A<=N_R<=V_S
# START T200 (T200value-DELTA)	L810			
?TIMEOUT T200				
START T200				
?RR	L811	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
#				
+DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
?RR		RR1_UC(V_R)	(I)	
#			(F)	Fail a poll before expiry of T200
#				
#				
+DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V24				
Identifier: DL81_V24				
Purpose: Verify that the IUT sends a RR/F=1 in response to a REJ/P=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !REJ		REJ1_NC(V_S)		P=1 V_A<=N_R<=V_S
# START T200				
?RR	L810	RR1_UR(V_R)	(P)	F=1
+DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S81/DL81_V25 Identifier:DL81_V25 Purpose:Verify that the IUT sends nothing in response to a REJ/P=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) . Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL81_PREAMBLE !REJ		REJQ_NC (V_S)		P=0 V_A<=N_R<=V_S	
#	L810				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L811	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200	
#					
#					
#					
+DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR					
#					
#					
#					
+DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200	
#					
Extended Comments:Q.921 Ref. 5.6.4					

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S81/DL81_V26 Identifier:DL81_V26 Purpose:Verify that the IUT send nothing in response to a REJ/F=1 (V_A <=N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Multiple Frame Established state (7.1). Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL81_PREAMBLE !REJ		REJ1_NR (V_S)		F=1 V_A<=N_R<=V_S	
#					
START Td ?TIMEOUT Td	L810		(P)		
#					
+DL71_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE					
#					
Extended Comments:Q.921 Ref. 5.6.4					

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V27				
Identifier: DL81_V27				
Purpose: Verify that the IUT sends nothing in response to a REJ/F=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !REJ		REJ0_NR(V_S)		F=0 V_A<=N_R<=V_S
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L810			
#	L811	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
# +DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR				
#			(I)	
#			(I)	
#		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V28				
Identifier: DL81_V28				
Purpose: Verify that the IUT sends a RR/F=1 in response to a RNR/P=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !RNR		RNR1_NC(V_S)		P=1 V_A<=N_R<=V_S
# START T200 ?RR +DL85_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S81/DL81_V29 Identifier:DL81_V29 Purpose:Verify that the IUT sends nothing in response to a RNR/P=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.5). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !RNR		RNR0_NC(V_S)		P=0 V_A<=N_R<=V_S
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L810			
#	L811	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
# +DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR				
#			(I)	
#			(I)	
#		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
Extended Comments:Q.921 Ref. 5.6.5				
+DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE				
#			(F)	

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S81/DL81_V30 Identifier:DL81_V30 Purpose:Verify that the IUT send nothing in response to a RNR/P=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Multiple Frame Established state (7.5). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !RNR		RNR1_NR(V_S)		P=1 V_A<=N_R<=V_S
# START T200 ?TIMEOUT T200 START Td ?RR +DL85_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RR +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE	L810	RR1_UC(V_R)	(P)	P=1
			(I)	
			(I)	
		RR1_UC(V_R)	(I)	P=1
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				
At the instant that the IUT receives RNR/P=1, it starts its T200 timer. In order to not incorrectly fail the IUT when it sends a poll upon expiry of its T200, a poll received prior to the TIMEOUT of T200 is assigned an INCONCLUSIVE verdict; a poll received after expiry of T200 is assigned a conditional PASS verdict with a verification of the appropriate state.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V31 Identifier: DL81_V31 Purpose: Verify that the IUT sends nothing in response to a RNR/F=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.5). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !RNR		RNR0_NR(V_S)		F=0 V_A<=N_R<=V_S
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L810			
# # # +DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR	L811	RRI_UC(V_R)	(P)	Allow a poll due to expiry of T200
# # # +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE			(I)	
			(I)	
		RRI_UC(V_R)	(F)	Fail a poll before expiry of T200
			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V32 Identifier: DL81_V32 Purpose: Verify that the IUT sends a RR/F=1 in response to a I/P=1 received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !I (V_R::=V_R+1)		IL_NC(V_R, V_S)		P=1 N_S=V_R N_R=V_S
# START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	RRI_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V33				
Identifier: DL81_V33				
Purpose: Verify that the IUT sends either a RR or an I frame to acknowledge an I/P=0 received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE ! I (V_R:=V_R+1)		I0_NC(V_R, V_S)		P=0 N_S=V_R N_R=V_S
# START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE	L810	RR0_UR(V_R)	(P)	F=0
? I		I1_NC(V_S, V_R)	(P)	P=1
# +DL80_VERIFICATION +DL_POSTAMBLE		I0_NC(V_S, V_R)	(P)	P=0
? I				
+DL80_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V34				
Identifier: DL81_V34				
Purpose: Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S <> V_R, N_R = V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_S:=V_R+1) ! I		I1_NC(N_S, V_S)		P=1
# START T200 ?RR +DL81_VERIFICATION +DL_POSTAMBLE GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	RR1_UR(V_R)	(P)	P=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V35				
Identifier:DL81_V35				
Purpose:Verify that the IUT sends nothing in response to a I/P=0 (N_S <> V_R, N_R = V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_S::=V_R+1) ! I		IO_NC(N_S, V_S)		P=0
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L810			
#				
#	L811	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
+DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
?RR			(I)	
#			(I)	
#		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE				
#			(F)	
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V36				
Identifier:DL81_V36				
Purpose:Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL81_21_SETUP ! I (V_R::=V_R+1)		IL_NC(V_R, V_S)		P=1 (N_S=V_R, V_A<N_R<V_S)
#				
#				
START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L810	RR1_UR(V_R)	(P)	F=1
#			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V37				
Identifier:DL81_V37				
Purpose:Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S = V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL81_2I_SETUP ! I (V_R::=V_R+1)		I0_NC(V_R, V_S)		P=0 (N_S=V_R, V_A<N_R<V_S)
#				
#				
START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE	L810	RR0_UR(V_R)	(P)	F=0
?I		I1_UC(V_S, V_R)	(P)	P=1
#				
+DL80_VERIFICATION +DL_POSTAMBLE GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V38				
Identifier:DL81_V38				
Purpose:Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S < V_R, V_A < N_R < V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL81_2I_SETUP (N_S::=V_R+1) ! I		I1_NC(N_S, V_S)		P=1 (N_S < V_R, V_A < N_R < V_S)
#				
#				
START T200 ?RR +DL81_VERIFICATION +DL_POSTAMBLE GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L810	RR1_UR(V_R)	(P)	F=1
			(F)	
			(P)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V39				
Identifier: DL81_V39				
Purpose: Verify that the IUT sends nothing in response to a I/P=0 (N_S<V_R, V_A<N_R<V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL81_2I_SETUP (N_S:=V_R+1) !I		I0_NC(N_S, V_S)		P=0 (N_S<> V_R, V_A<N_R<V_S)
#				
#				
START T200				
?(T200value-DELTA)				
?TIMEOUT T200	L810			
START T200				
?RR	L811	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
#				
+DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
?RR		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]				
#			(F)	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V40				
Identifier: DL81_V40				
Purpose: Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S=V_R, V_A=N_R<V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL81_1I_SETUP !I (V_R:=V_R+1)		I1_NC(V_R, V_S)		P=1 (N_S=V_R, V_A=N_R<V_S)
#				
#				
START T200				
?RR	L810	RR1_UR(V_R)	(P)	F=1
+DL80_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
[NOT(CAN_SEND_A_IFRAME)]			(F)	
#			(F)	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S81/DL81_V41 Identifier:DL81_V41 Purpose:Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S=V_R V_A=N_R<V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0 or I. Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL81_1I_SETUP !I(V_R::=V_R+1)		I0_NC(V_R, V_S)		s7.0 P=0	
START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE ?I	L810	RR0_UR(V_R)	(P)	F=0	
+DL80_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]		I1_UC(V_S, V_R)	(P)	P=1	
			(F)		
			(F)		
			I	Test not run	
Extended Comments:Q.921 Ref. 5.6.2.2					

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S81/DL81_V42 Identifier:DL81_V42 Purpose:Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S<> V_R, V_A=N_R<V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1. Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL81_1I_SETUP (N_S::=V_R+1) !I		I1_NC(N_S, V_S)		P=1 (N_S < V_R, V_A=N_R R<V_S)	
START T200 ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L810	RR1_UR(V_R)	(P)	F=1	
			(F)		
			(F)		
			I	Test not run	
Extended Comments:Q.921 Ref. 5.8.1					

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V44				
Identifier:DL81_V44				
Purpose:Verify that the IUT sends a SABME/P=1 after timeout of T200 N200 times in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (RC:=1)				
#				
#				
[RC<N200] START Td ?RR(RC::=RC+1) GOTO L810 +DL81_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [RC=N200] START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L812 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L810 L811	 RRL_UC(V_R)	 (F) (F)	 P=1
	L812	SABME_UC	(P)	P=1
			(F)	
			(F)	

Extended Comments:0.921 Ref. 5.6.7

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V45 Identifier: DL81_V45 Purpose: Verify that the IUT sends a RR/P=1 or retransmits I/P=1 after a timeout T200 (RC<N200, V_A<V_S) in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/P=1 or I/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL81_I1_SETUP START Td ?RR +DL81_VERIFICATION +DL_POSTAMBLE ?I +DL81_VERIFICATION +DL_POSTAMBLE GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L810	RR1_UC (V_R) I1_UC (V_S, V_R)	(P) (P) (F) (F)	P=1 P=1 Test not run
#				
#				
Extended Comments: Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_V46 Identifier: DL81_V46 Purpose: Verify that the IUT sends a RR/P=1 in response to a timeout T200 (RC < N200, V_A = V_S) received in Timer Recovery state (8.1). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[T203_IMPLEMENTED] +DL81_PREAMBLE START Td ?RR +DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (T203_IMPLEMENTED)]	L810	RR1_UC (V_R)	(P)	P=1
#				
Extended Comments: Q.921 Ref. 5.6.7 Time out with V(A)=V(S) can be achieved only when T203 is implemented.				
			I	Test not run

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_V47				
Identifier:DL81_V47				
Purpose:Verify that the IUT sends a RNR/P=1 when it sets OWN_BUSY in Timer Recovery state (8.1). The IUT is expected to be in timer Recovery 8.3 after sending RNR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL81_PREAMBLE <IUT!RNR>				Set Own Busy
#				
START Topr				
?RNR +DL83_VERIFICATION +DL_POSTAMBLE	L810	RNR1_UC(V_R)	(P)	P=1
?RNR +DL83_VERIFICATION +DL_POSTAMBLE		RNR0_UC(V_R)	(P)	F=0
?RR GOTO L810 +DL81_UNEXPECTED		RR1_UC(V_R)		P=1
?SABME +DL_POSTAMBLE		SABME1_UC	(I)	P=1
?OTHERWISE +DL_POSTAMBLE			(F)	
?TIMEOUT Topr +DL_POSTAMBLE			(F)	
[NOT(CAN_TEST_OWN_BUSY)]			I	Test not run
Extended Comments:Q.921 Ref. 5.6.6				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N01				
Identifier:DL81_N01				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R:=((V_S+K)+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE	L810	RR1_NC(N_R) SABME1_UC	(P)	P=1 P=1
?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L811	RR1_UR(V_R) SABME1_UC	(P) (P)	F=1 P=1
			(F)	
			(F)	
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N02 Identifier:DL81_N02 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R:=(V_S+K)+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	RR0_NC(N_R) SABME1_UC	(P) (P) (F) (F)	P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N03 Identifier:DL81_N03 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R:=(V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L810	RR1_NR(N_R) SABME1_UC	(P) (P) (F) (F)	P=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N04 Identifier:DL81_N04 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R::=((V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L810	PRO_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1

Extended Comments:Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S81/DL81_N05 Identifier:DL81_N05 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (NR = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (NR:=(V_S+K)+1) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	REJ1_NC(N_R) SABME1_UC	(P)	P=1
	L811	RR1_UR(V_R) SABME1_UC	(P)	P=1
			(F)	F=1
			(F)	P=1
			(F)	
			(F)	
			(F)	

extended Comments:0.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N06				
Identifier:DL81_N06				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R := ((V_S+K)+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	REJ0_NC(N_R) SABME1_UC	 (P) (F) (F)	 P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N07				
Identifier:DL81_N07				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R := ((V_S+K)+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	REJ1_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_N08 Identifier: DL81_N08 Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R := ((V_S+K)+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L810	REJ0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_N09 Identifier: DL81_N09 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R := ((V_S+K)+1)) !RNR # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810 L811	RNR1_NC(N_R) SABME1_UC RR1_UR(V_R) SABME1_UC	(F) (F) (F) (F)	P=1 P=1 F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_N10 Identifier: DL81_N10 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R := ((V_S+K)+1)) !RNR # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	RNR0_NC(N_R)	(P)	P=0
		SABME1_UC	(P)	P=1
			(F)	(F)
			(F)	(F)
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_N11 Identifier: DL81_N11 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R := ((V_S+K)+1)) !RNR # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L810	RNR1_NR(N_R)	(P)	F=1
		SABME1_UC	(P)	P=1
			(F)	(F)
			(F)	(F)
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N12				
Identifier:DL81_N12				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R:=((V_S+K)+1)) !RNR		RNR0_NR(N_R)		F=0
# START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L810	SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N13				
Identifier:DL81_N13				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S = V_R, N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R:=((V_S+K)+1)) !I (V_R:=V_R+1)		T1_NC(V_R, N_R)		P=1
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L811 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	SABME1_UC	(P)	P=1
	L811	RR1_UR(V_R) SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N14				
Identifier:DL81_N14				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S = V_R, N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_R::=((V_S+K)+1)) ! I		IQ_NC(V_R, N_R)		P=0
#				
START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	SABME_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N15				
Identifier:DL81_N15				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S <> V_R, N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_S::=V_R+1,N_R::=((V_S+K)+1)) ! I		II_NC(N_S, N_R)		P=1
#				
START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RR	L810	SABME_UC	(P)	P=1
START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L811 ?OTHERWISE ?TIMEOUT Td +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L811	RR1_UR(V_R) SABME_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_N16				
Identifier: DL81_N16				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S <> V_R, N_R = V_S+K+1) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE (N_S::=V_R+1, N_R::=((V_S+K)+1)) ! I		I0_NC(N_S, N_R)		P=0
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	SABME1_UC	(P)	P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_N17				
Identifier: DL81_N17				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a SABME with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !SABME_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	SABME_TL1_NC SABME1_UC	 (P)	 P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S81/DL81_N18 Identifier:DL81_N18 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.					
	Default:				
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL81_PREAMBLE !DISC_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	DISC_TL1_NC SABMEL_UC	(P)	P=1	
			(F)		
			(F)		

Extended Comments:Q.921 Ref. 5.7.1

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S81/DL81_N19 Identifier: DL81_N19 Purpose: Verify that the IUT sends a SABME/P=1 in response to a UA with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !UA_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	UA_TL1_NR SABME1_UC	(P) (F) (F)	P=1

Extended Comments: Q.921 Ref. 5.7.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N20				
Identifier:DL81_N20				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !DM_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	DM_TL1_NR SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N21				
Identifier:DL81_N21				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !FRMR_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	FRMR_TL1_NR SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_N22				
Identifier: DL81_N22				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RR with excess length received in timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE				
!RR_TL		RR_TL1_NC (V_S)		
#				
START T200	L810			
?SABME		SABME1_UC	(P)	P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL81_UNEXPECTED				
GOTO L810				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N23 Identifier:DL81_N23 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE :RNR_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	RNR_TL1_NC (V_S) SABME1_UC	(P)	P=1
			(F)	
			(F)	

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_N24				
Identifier: DL81_N24				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ with excess length received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE ! I_TL # START T200 ? SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ? OTHERWISE +DL_POSTAMBLE ? TIMEOUT T200 +DL_POSTAMBLE	L810	REJ_TL1_NC (V_S)	(P)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S81/DL81_N25				
Identifier: DL81_N25				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE ! I_TL # START T200 ? SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L810 ? OTHERWISE +DL_POSTAMBLE ? TIMEOUT T200 +DL_POSTAMBLE	L810	I_TL1_NC (V_S, V_R) SABME1_UC	(P)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N26				
Identifier:DL81_N26				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an undefined frame received in Timer Recovery state (8.1). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !UNDEF START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	UNDEF1_NC SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S81/DL81_N27				
Identifier:DL81_N27				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a frame in error (I field not permitted) in Timer Recovery state (8.0). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
D=fault:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL81_PREAMBLE !SABME_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L810 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L810	SABME_TL1_NC SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V01				
Identifier:DL82_V01				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_SABME] +DL82_PREAMBLE <IUT:SABME>				
START Topr (T200value*N200) ?SABME +DL50_VERIFICATION +DL_POSTAMBLE	L820	SABME1_UC	(P)	Initiate Link Establishment Request P=1
?RNR GOTO L820 +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT (CAN_SEND_SABME)]		RNR1_UC(V_R)	(P)	P=1
			(F)	
			(F)	
			I	Test not run
#				
#				
#				

Extended Comments:Q.921 Ref. 5.5.1.1.2

In order to successfully execute this test, the test operator must be able to have the IUT send a SABME in less than T200*N200 seconds.

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V03				
Identifier:DL82_V03				
Purpose:Verify that the IUT does not send additional I frame in Timer Recovery state (8.2) even if V_S < V_A+K. The IUT is expected to be in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL82_PREAMBLE <IUT! I>				
# #				
START Topr (CNT==0) [CNT<N200] ?RNR (CNT==CNT + 1) GOTO L820 +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [CNT=N200] ?SAME	L820 L821	RNR1_UC(V_R)	(F) (I) (P)	Init one DL Data Request SAME after N200 polls
+DL50_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L822 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L822	SAME1_UC	(F) (I)	
#			I	Test not run

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V04				
Identifier: DL82_V04				
Purpose: Verify that the IUT does not send additional I frame in Timer Recovery state (8.2) when V_S = V_A+K (window is closed). The IUT is expected to remain in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL82_WC_SETUP				set window closed and timer req
#				
#				
START Td (N_S:=V_S-1) ?TIMEOUT Td	L820		(P)	IUT sends nothing
#				
+DL82_VERIFICATION +DL_POSTAMBLE ?RNR		RNR1_UC(V_R)	(P)	P=1, IUT polls w/ RNR/1
#				
#				
+DL82_VERIFICATION +DL_POSTAMBLE ?I		I1_UC(N_S, V_R)	(P)	P=1, IUT retrans. last I
#				
#				
+DL82_VERIFICATION +DL_POSTAMBLE ?I		I0_UC(V_S, V_R)	(F)	IUT sends queued I - Fail
#				
#				
+DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V10 Identifier:DL82_V10 Purpose:Verify that the IUT sends a UA/P=0 in response to a SABME/P=0 received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/P=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0) +DL70_VERIFICATION +DL_POSTAMBLE GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	SABME0_NC UA0_UR	(P) (F) (F) (F)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V12 Identifier:DL82_V12 Purpose:Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.2). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	DISC1_NC UA1_UR	(P) (F) (F)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V13 Identifier:DL82_V13 Purpose:Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.2). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	DISC0_NC UA0_UR	(P) (P)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V14 Identifier:DL82_V14 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !DM START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	DM1_NR SABME1_UC	(P) (P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S82/DL82_V15				
Identifier: DL82_V15				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE				
IDM				
START T200				
?SABME	L820	DM0_NR		F=0
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL82_UNEXPECTED		SABME_UC	(P)	P=1
GOTO L820				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)

Extended Comments: Q.921 Ref. 5.7.1

Test Case Dynamic Behaviour			
Reference:LAPD/NFO/S82/DL82_V17 Identifier:DL82_V17 Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:			
Behaviour Description	Label	Constraints Reference	V Comments
+DL82_PREAMBLE !FRMR_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	FRMR_RR1_NR SABME1_UC	F=1 P=1 (F) (F)
Extended Comments:O.921 Ref. 5.7.1			

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V20				
Identifier: DL82_V20				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a RR/P=1 (V_A<N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !RR		RR1_NC(V_S)		P=1 V_A<N_R<=V_S
#				
START T200 ?RNR		RNR1_UR(V_R)	(P)	F=1
+DL82_VERIFICATION +DL_POSTAMBLE GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820			
			(F)	
			(F)	

Extended Comments: Q.921 Ref. 5.6.5

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V21				
Identifier: DL82_V21				
Purpose: Verify that the IUT sends nothing in response to RR/P=0 (V_A<N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !RR		RR0_NC(V_S)		P=0 V_A<N_R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L820			
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L821	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
?RNR			(I)	
			(I)	
		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
+DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE			(F)	

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Extended Comments:Q.921 Ref. 5.6.5

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V22				
Identifier: DL82_V22				
Purpose: Verify that the IUT sends nothing in response to a RR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !RR START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE	L820	RR1_NR(V_S)	(P)	F=1 V_A<=N_R<=V_S
			(F)	

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V23				
Identifier: DL82_V23				
Purpose: Verify that the IUT sends nothing in response to a RR/F=0 (V_A<N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !RR				F=0 V_A<N_R<V_S
START T200 (T200value-DELTA)	L820	RR0_NR(V_S)		
?TIMEOUT T200				
START T200	L821	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
?RNR				
+DL82_VERIFICATION +DL_POSTAMBLE				
+DL82_UNEXPECTED			(I)	
GOTO L821				
?OTHERWISE			(I)	
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
?RNR		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE				
+DL82_UNEXPECTED				
GOTO L820				
?OTHERWISE				
+DL_POSTAMBLE			(F)	

Extended Comments: 0.921 Ref. 5.6.5

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V24				
Identifier: DL82_V24				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a REJ/P=1 (V_A<N,R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !REJ		REJ1_NC(V_S)		P=1 V_A<N_R<=V_S
#				
START T200 ?RNR	L820	RNR1_UR(V_R)	(P)	F=1
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V25				
Identifier: DL82_V25				
Purpose: Verify that the IUT sends nothing in response to a REJ/P=0 (V_A<N,R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !REJ		REJ0_NC(V_S)		P=0 V_A<N_R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L820 L821			
		RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
			(I)	
			(I)	
?RNR		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V26				
Identifier: DL82_V26				
Purpose: Verify that the IUT sends nothing in response to a REJ/F=1 (V_A<N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Multiple Frame Established state (7.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !REJ				
# START Td ?TIMEOUT Td +DL72_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE	L820	REJ1_NR(V_S)	(P)	F=1 V_A<N_R<=V_S
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V27				
Identifier: DL82_V27				
Purpose: Verify that the IUT sends nothing in response to a REJ/F=0 (V_A<N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !REJ				
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L820	REJ0_NR(V_S)		F=0 V_A<N_R<=V_S
#	L821	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
# +DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
# ?RNR			(I)	
#		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
# +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V28				
Identifier: DL82_V28				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a RNR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.6) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !RNR		RNR1_NC(V_S)		P=1 V_A<=N_R<=V_S
#				
START T200 ?RNR	L820	RNR1_UR(V_R)	(P)	F=1
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V29				
Identifier: DL82_V29				
Purpose: Verify that the IUT sends nothing in response to a RNR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !RNR		RNR0_NC(V_S)		P=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L820			
	L821	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
			(I)	
?RNR		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
			(F)	
+DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V31				
Identifier:DL82_V31				
Purpose:Verify that the IUT sends nothing in response to RNR/F=0 (V_A<N_R<=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !RNR		RNR0_NR(V_S)		F=0 V_A<N_R<=V_S
#	L820			
START T200 (T200value-DELTA)				
?TIMEOUT T200				
START T200				
?RNR	L821	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
#				
+DL86_VERIFICATION				
+DL_POSTAMBLE				
+DL86_UNEXPECTED				
GOTO L821				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
?RNR		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE				
+DL82_UNEXPECTED				
GOTO L820				
?OTHERWISE				
+DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V32				
Identifier:DL82_V32				
Purpose:Verify that the IUT sends a RNR/F=1 in response to a I/P=1 received in Timer Recovery state (8.2). The IUT is expected to be in timer recovery state (8.2) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !I		I1_NC(V_R, V_S)		P=1 N_S=V_R N_R=V_S
#				
START T200				
?RNR	L820	RNR1_UR(V_R)	(P)	F=1
+DL82_VERIFICATION				
+DL_POSTAMBLE				
+DL82_UNEXPECTED				
GOTO L820				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V33 Identifier:DL82_V33 Purpose:Verify that the IUT sends nothing in response to a I/P=0 received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE ! I		IO_NC(V_R, V_S)		P=0 N_S=V_R N_R=V_S
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L820			
# +DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L821	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
# ?RNR				
# +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE		RNR1_UC(V_R)	(I)	Fail a poll before expiry of T200
Extended Comments:Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V34 Identifier:DL82_V34 Purpose:Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S<V_R, N_R=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_S:=V_R+1) ! I		II_NC(N_S, V_S)		P=1,V_R unchanged
# START T200 ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	RNR1_UR(V_R)	(P)	F=1
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V35 Identifier:DL82_V35 Purpose:Verify that the IUT sends nothing in response to a I/P=P=0 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_S::=V_R+1) ! I		I0_NC(N_S, V_S)		P=0
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L820			
#				
#	L821	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR				
#				
#				
#				
+DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE				
#				
#				
#				
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_V36 Identifier:DL82_V36 Purpose:Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL82_2I_SETUP ! I				
#				
#				
START T200 ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L820	I1_NC(V_R, V_S)		P=1 (N_S=V_R, V_A<N_R<V_S)
#				
		RNR1_UC(V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V37				
Identifier: DL82_V37				
Purpose: Verify that the IUT sends nothing in response to a I/P=0 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL82_21_SETUP ! I		I0_NC(V_R, V_S)		P=0 (N_S=V_R, V_A<N_R<V_S)
#				
#				
START T200 (T200value-DELTA)	L820			
?TIMEOUT T200				
START T200	L821	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
?RNR				
#				
#				
#				
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
?RNR		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE +DL_SEND_IFRAMES)				
[NOT(CAN_SEND_IFRAMES)]			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V38				
Identifier: DL82_V38				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S<V_R, V_A<N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL82_21_SETUP (N_S:=V_R+1) ! I		I1_NC(N_S, V_S)		P=1 (N_S<V_R, V_A<N_R<V_S)
#				
#				
START T200				
?RNR	L820	RNR1_UR(V_R)	(P)	F=1
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
[NOT(CAN_SEND_IFRAMES)]			(F)	
#			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

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Extended Comments:Q.921 Ref. 5.8.1

Extended Comments:Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V39				
Identifier: DL82_V39				
Purpose: Verify that the IUT sends nothing in response to a I/P=0				
(N_S<>V_R V_A<N_R<V_S) received in Timer Recovery state (8.2).				
The IUT is expected to be in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{CAN_SEND_IFRAMES} +DL70_PREAMBLE +DL82_2I_SETUP (N_S::=V_R+1) ! I		I0_NC (N_S, V_S)		P=0 (N_S<>V_R, V_A<N_R<V_S)
START T200				
?(T200value-DELTA)				
?TIMEOUT T200	L820			
START T200				
?RNR	L821	RNR1_UC(V_R)	(F)	Allow a poll due to expiry of T200
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
?RNR			(I)	
+DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE			(F)	Fail a poll before expiry of T200
[NOT(CAN_SEND_IFRAMES)]			(F)	
			I	Test not run

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Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V40 Identifier: DL82_V40 Purpose: Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S=V_R V_A=N_R<V_S) The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL82_I1_SETUP !I		IL_NC (V_R, V_S)		P=1 (N_S=V_ R, V_A=N_R< V_S)
START T200 ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L820	RNR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run

Extended Comments:Q.921 Ref. 5.6.2.1

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V41 Identifier: DL82_V41 Purpose: Verify that the IUT sends nothing in response to a I/P=0 (N_S=V_R V_A=N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL82_1I_SETUP !I # # START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR # # # +DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR # # # +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #	L820 L821	IO_NC(V_R, V_S) RNR1_UC(V_R)	(P) (F) (I) (I) (F) (F) I	P=0 (N_S=V_R, V_A=N_R<V_S) Allow a poll due to expiry of T200 Fail a poll before expiry of T200 Test not run
Extended Comments: Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V42 Identifier: DL82_V42 Purpose: Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S<V_R V_A=N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL82_1I_SETUP (N_S:=V_R+1) !I # # START T200 ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #	L820	IL_NC(N_S, V_S) RNR1_UR(V_R)	(P) (F) (F) I	P=1 (N_S<V_R, V_A=N_R<V_S) F=1 Test not run
Extended Comments: Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S82/DL82_V43 Identifier:DL82_V43 Purpose:Verify that the IUT sends nothing in response to a I/P=0 (N_S<V_R V_A=N_R<V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL82_II_SETUP (N_S:=V_R+1) ! I		I0_NC(N_S, V_S)		P=0 (N_S<>V_R, V_A=N_R<V_S)
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L820			
	L821	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR			(I) (I) (F)	Fail a poll before expiry of T200
+DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE (NOT(CAN_SEND_A_IFRAME))			(F)	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S82/DL82_V44 Identifier:DL82_V44 Purpose:Verify that the IUT sends a SABME/P=1 in response to a timeout T200 (RC=N200) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (RC:=1) (RC<N200)	L820			Timeout once in Preamble
# # START Td ?RNR(RC:=RC+1) GOTO L820 +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [RC=N200] START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L822 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L821	RNR1_UC(V_R)	(F) (F)	P=1
	L822	SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V45 Identifier: DL82_V45 Purpose: Verify that the IUT sends a RNR/P=1 or retransmits I/P=1 after a timeout T200(RC<N200,V_A<V_S) in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/P=1 or I/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{CAN_SEND_A_IFRAME} +DL70_PREAMBLE +DL82_I1_SETUP START Td ?RNR +DL82_VERIFICATION +DL_POSTAMBLE ?I #	L820	RNR1_UC(V_R)	(P)	P=1
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #		I1_UC(V_S, V_R)	(P)	P=1
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_V46 Identifier: DL82_V46 Purpose: Verify that the IUT sends a RNR/P=1 in response to a timeout T200 (RC<N200,V_A=V_S) received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{T203_IMPLEMENTED} +DL82_PREAMBLE START Td ?RNR +DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(T203_IMPLEMENTED)] #	L820	RNR1_UC(V_R)	(P)	P=1
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour					
Reference:LAPD/WFO/S82/DL82_V48 Identifier:DL82_V48 Purpose:Verify that the IUT sends a RR/F=0 in response to a CLEAR_OWN_BUSY received in Timer Recovery state (8.2). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=0. Default:					
#	Behaviour Description	Label	Constraints Reference	V	Comments
	[CAN_TEST_OWN_BUSY] +DL82_PREAMBLE <IUT! CLEAR_OWN_BUSY>	L820	RR0_UR(V_R)	(P)	Clear own busy F=0
	?RR +DL80_VERIFICATION +DL_POSTAMBLE		RR1_UC(V_R)	(P)	P=1
	?RR +DL80_VERIFICATION +DL_POSTAMBLE		RR0_UC(V_R)	(P)	P=0
	?RR +DL80_VERIFICATION +DL_POSTAMBLE		RNR1_UC(V_R)	(I)	P=1
	?RR GOTO L820 ?SABME +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT (CAN_TEST_OWN_BUSY)]		SABME1_UC	(F)	
				(I)	
#				I	Test not run

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S82/DL82_N01					
Identifier:DL82_N01					
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL82_PREMABLE (N_R:=((V_S+K)+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	RR1_NC(N_R)	(P)	P=1	
	L821	RNR1_UR(V_R) SABME1_UC	(P)	F=1 P=1	

Extended Comments:O.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N02 Identifier:DL82_N02 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_R:=((V_S+K)+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	RR0_NC(N_R) SABME1_UC	 (P) (F) (F)	 P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N03 Identifier:DL82_N03 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/F=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_R:=((V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L820	RR1_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N04 Identifier:DL82_N04 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_R:=((V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L820	RR0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N05 Identifier:DL82_N05 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_R:=((V_S+K)+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820 L821	REJ1_NC(N_R) SABME1_UC RNR1_UR(V_R) SABME1_UC	(P) (P) (P) (P) (F) (F) (F) (F)	P=1 P=1 P=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/SB2/DL82_N06 Identifier: DL82_N06 Purpose: Verify that the IUT sends a SABME/P=1 in response to a REV/P=0 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_R := ((V_S+K)+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	REJ_NC(N_R) SABME_UC	(P) (F) (F)	P=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_N07 Identifier: DL82_N07 Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_R := (V_S+K+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L820	REJ1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_N08				
Identifier: DL82_N08				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_R::=((V_S+K)+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L820	REJO_NR(N_R) SABME_UC	 (P) (F) (F)	 F=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S82/S82/DL82_N09					
Identifier:DL82_N09					
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL82_PREAMBLE (N_R:=((V_S+K)+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	RNR_NC(N_R) SABME_UC	 (P)	P=1 P=1	
	L821	RNR_UC(N_R) SABME_UC	(P)	F=1 P=1	

Extended Comments:Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N10 Identifier:DL82_N10 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R:= (V_S+K)+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_R:= ((V_S+K)+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	RNRQ_NC (N_R) SABME1_UC	(P) (F) (F)	P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N11 Identifier:DL82_N11 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/F=1 (N_R:=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_R:= ((V_S+K)+1)) !RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L820	RNR1_NR (N_R) SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_N14				
Identifier: DL82_N14				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S=V_R, N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_R:=((V_S+K)+1)) ! I		I0_NC(V_R, N_R)		P=0
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	SABME1_UC	(P)	P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S82/DL82_N15				
Identifier: DL82_N15				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S=V_R, N_R=V_S+K+1) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_S:=V_R+1, N_R:=((V_S+K)+1)) ! I		I1_NC(N_S, N_R)		P=1
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L821 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	SABME1_UC	(P)	P=1
	L821	RNR1_UR(V_R) SABME1_UC	(P)	P=1
Extended Comments: Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N16 Identifier:DL82_N16 Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S<>V_R, N_R:=((V_S+K)+1)) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE (N_S:=V_R+1,N_R:=((V_S+K)+1)) ! I		IO_NC(N_S, N_R)		P=0
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N17 Identifier:DL82_N17 Purpose:Verify that the IUT sends a SABME/P=1 in response to a SABME with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !SABME_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	SABME_TL1_NC SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N18 Identifier:DL82_N18 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !DISC_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	DISC_TL1_NC SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N19 Identifier:DL82_N19 Purpose:Verify that the IUT sends a SABME/P=1 in response to a UA with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !UA_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	UA_TL1_NR SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N20 Identifier:DL82_N20 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !DM_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	DM_TL1_NR SABME1_UC	(P) (F) (F)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N21 Identifier:DL82_N21 Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !FRMR_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	FRMR_TL1_NR SABME1_UC	(P) (F) (F)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N22 Identifier:DL82_N22 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !RR_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	RR_TL1_NC (V_S) SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N23 Identifier:DL82_N23 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !RNR_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	RNR_TL1_NC (V_S) SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N24 Identifier:DL82_N24 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ with excess length received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !I_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	REJ_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S82/DL82_N25 Identifier:DL82_N25 Purpose:Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL82_PREAMBLE !I_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	I_TL1_NC(V_R, V_S) SABME1_UC	 (P) (F) (F)	 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S82/DL82_N26					
Identifier:DL82_N26					
Purpose:Verify that the IUT sends a SABME/P=1 in response to an undefined frame received in Timer Recovery state (8.2). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL82_PREAMBLE !UNDEF START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	UNDEF1_NC SABME1_UC	(P)	P=1	
			(F)		
			(F)		
Extended Comments:Q.921 Ref. 5.7.1					

	Test Case Dynamic Behaviour	V	Comments
Reference:	LAPD/WFO/S82/DL82_N27		
Identifier:	DL82_N27		
Purpose:	Verify that the IUT sends a SABME/P=1 in response to a frame in error(I field not permitted) received in Timer Recovery state(8.2). The IUT is expected to be in Awaiting Establishment state(5.1) after sending SABME/P=1.		
Default:			
Behaviour Description	Label	Constraints Reference	V
+DL82_PREAMBLE !SABME_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L820 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L820	SABME_TTL_NC 	(P)
			(F)
			(F)

Extended Comments:Q.921 Ref. 5.7.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V01				
Identifier:DL83_V01				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{CAN_SEND_SABME} +DL83_PREAMBLE <IUT!SABME>				Initiate Link Establishment Request
#				
#				
#				
START Topr (T200value*N200) ?SABME +DL50_VERIFICATION +DL_POSTAMBLE	L830	SABME1_UC	(P)	P=1
?RNR GOTO L830 +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_SEND_SABME)]		RNR1_UC(V_R)	(P)	P=1
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.5.1.2 In order to successfully execute this test, the test operator must be able to have the IUT send a SABME in less than T200*N200 seconds.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V03				
Identifier:DL83_V03				
Purpose:Verify that the IUT does not send additional I frames in Timer Recovery state (8.3) even if V_S < V_A+K. The IUT is expected to be in Timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL83_PREAMBLE <IUT! I>				Init one DL Data Request
#				
#				
START Topr (CNT:=0) [CNT<N200] ?RNR (CNT:=CNT + 1) GOTO L830 +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [CNT=N200] ?SABME	L830 L831	RNR1_UC(V_R)	(F)	
			(I)	
			(P)	SABME after N200 polls
#				
+DL50_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L832 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L832	SABME1_UC	(P)	
			(F)	
			(I)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V04 Identifier: DL83_V04 Purpose: Verify that the IUT does not send additional I frames in Timer Recovery state (8.3) when V_S = V_A+K (window is closed). The IUT is expected to remain in Timer Recovery state (8.3). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL83_WC_SETUP				
#				set window closed and timer req
#				
START Td (N_S:=V_S-1) ?TIMEOUT Td	L830		(P)	IUT sends nothing
+DL83_VERIFICATION +DL_POSTAMBLE ?RNR		RNR1_UC(V_R)	(P)	P=1, IUT polls w/ RNR/1
#				
+DL83_VERIFICATION +DL_POSTAMBLE ?I		I1_UC(N_S, V_R)	(P)	P=1, IUT retrans. last I
#				
+DL83_VERIFICATION +DL_POSTAMBLE ?I		I0_UC(V_S, V_R)	(F)	IUT sends queued I - fail
#				
+DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	I
#				Test not run
Extended Comments: Q.921 Ref. 5.6.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V08 Identifier: DL83_V08 Purpose: Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer Recovery state (8.3). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !SABME START T200 ?UA (V_S:=0, V_R:=0, V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	SABME1_NC UA1_UR	(P) (P)	P=1 P=1
Extended Comments: Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V10 Identifier: DL83_V10 Purpose: Verify that the IUT sends a UA/F=0 in response to a SABME/F=0 received in Timer Recovery state (8.3). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !SABME START T200 ?UA (V_S:=0,V_R:=0,V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	SABME0_NC UA0_UR	(P) (F)	P=0 F=0
Extended Comments: Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V12 Identifier: DL83_V12 Purpose: Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.3). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	DISC1_NC UA1_UR	(P) (F) (F)	P=1 F=1
Extended Comments: Q.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V13				
Identifier: DL83_V13				
Purpose: Verify that the IUT sends a UA/P=0 in response to a DISC/P=0 received in Timer Recovery state (8.3). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/P=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	DISC0_NC UA0_UR	(P)	P=0 P=0
Extended Comments: Q.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V14				
Identifier: DL83_V14				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !DM START Topr ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE	L830	DM1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V15 Identifier:DL83_V15 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !DM START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	DM0_NR SABME1_UC	(P)	F=0 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V17 Identifier:DL83_V17 Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !FRMR_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	FRMR_RR1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V20				
Identifier: DL83_V20				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a RR/P=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !RR		RR1_NC(V_S)		P=1 V_A<=N_R<=V_S
#				
START T200 ?RNR		RNR1_UR(V_R)	(F)	F=1
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830			
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V21				
Identifier: DL83_V21				
Purpose: Verify that the IUT sends nothing in response to a RR/P=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !RR		RR0_NC(V_S)		P=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L830			
	L831	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
			(I)	
			(I)	
?RNR		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.6.5				
			(F)	

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V22				
Identifier:DL83_V22				
Purpose:Verify that the IUT sends nothing in response to a RR/F=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Multiple Frame Established state (7.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !RR		RR1_NR(V_S)		F=1 V_A<=N_R<=V_S
#				
START TD ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE	L830		(P)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V23				
Identifier:DL83_V23				
Purpose:Verify that the IUT sends nothing in response to a RR/F=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !RR		RR0_NR(V_S)		F=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L830			
	L831	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR			(I)	
			(I)	
		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V24				
Identifier: DL83_V24				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a REJ/P=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !REJ				P=1 V_A<=N_R<=V_S
#				
START T200				
?RNR				
+DL83_VERIFICATION				
+DL_POSTAMBLE				
+DL83_UNEXPECTED				
GOTO L830				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V25				
Identifier: DL83_V25				
Purpose: Verify that the IUT sends nothing response to a REJ/P=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !REJ				P=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA)				
?TIMEOUT T200				
START T200	L830	REJ0_NC(V_S)		
?RNR	L831	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
#				
+DL83_VERIFICATION				
+DL_POSTAMBLE				
+DL83_UNEXPECTED				
GOTO L831				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
?RNR				
#				
#				
#				
+DL_POSTAMBLE				
+DL83_UNEXPECTED				
GOTO L830				
?OTHERWISE				
+DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.6.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V26				
Identifier:DL83_V26				
Purpose:Verify that the IUT sends nothing in response to a REJ/F=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Multiple Frame Established state (7.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !REJ # START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE	L830	REJ1_NR(V_S)	(F)	F=1 V_A<=N_R<=V_S
Extended Comments:Q.921 Ref. 5.6.4				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V27				
Identifier:DL83_V27				
Purpose:Verify that the IUT sends nothing in response to a REJ/F=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !REJ # START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR # # # +DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR # # # +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE	L830 L831	REJ0_NR(V_S) RNR1_UC(V_R)	(P) (I) (I) (F)	F=0 V_A<=N_R<=V_S Allow a poll due to expiry of T200 Fail a poll before expiry of T200
Extended Comments:Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S83/DL83_V28				
Identifier: DL83_V28				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a RNR/P=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.7) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !RNR		RNR1_NC(V_S)		P=1 V_A<=N_R<=V_S
#				
START T200 ?RNR	L830	RNR1_UR(V_R)	(P)	F=1
+DL87_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S83/DL83_V29				
Identifier: DL83_V29				
Purpose: Verify that the IUT sends nothing in response to a RNR/P=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.7). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !RNR		RNR0_NC(V_S)		P=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L830 L831		(P)	Allow a poll due to expiry of T200
+DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR			(I) (I)	
		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
+DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE			(F)	
#				
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S83/DL83_V30					
Identifier:DL83_V30					
Purpose:Verify that the IUT sends nothing in response to a RNR/F=1 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Multiple Frame Established state (7.7).					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL83_PREAMBLE		RNR1_NR(V_S)		P=1 V_A<=N_ R<=V_S	
!RNR					
START T200	L830				
?TIMEOUT T200					
START Td					
?RNR		RNR1_UC(V_R)	(P)	P=1	
+DL87_VERIFICATION					
+DL_POSTAMBLE					
?OTHERWISE			(I)		
+DL_POSTAMBLE					
?TIMEOUT Td			(I)		
+DL_POSTAMBLE					
?RNR		RNR1_UC(V_R)	(I)	P=1	
+DL_POSTAMBLE					
+DL83_UNEXPECTED					
GOTO L830					
?OTHERWISE					
+DL_POSTAMBLE			(F)		
Extended Comments:Q.921 Ref. 5.6.5 At the instant that the IUT receives RNR/F=1, it starts its T200 timer. In order to not incorrectly fail the IUT when it sends a poll upon expiry of its T200, a poll received prior to the TIMEOUT of T200 is assigned an INCONCLUSIVE verdict; a poll received after expiry of T200 is assigned a conditional PASS verdict with a verification of the appropriate state					

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/SL83_V31				
Identifier:DL83_V31				
Purpose:Verify that the IUT sends nothing in response to a RNR/F=0 (V_A <= N_R <= V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.7).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE				
:RNR		RNR0_NR (V_S)		F=0 V_A<=N_R<=V_S
# START T200 (T200value-DELTA)	L830			
?TIMEOUT T200				
START T200				
?RNR	L831	RNR1_UC (V_R)	(P)	Allow a poll due to expiry of T200
+DL87_VERIFICATION				
+DL_POSTAMBLE				
+DL87_UNEXPECTED				
GOTO L831				
?OTHERWISE			(I)	
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
?RNR		RNR1_UC (V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE				
+DL83_UNEXPECTED				
GOTO L830				
?OTHERWISE				
+DL_POSTAMBLE				
			(F)	

Extended Comments:O_921 Ref_5_6-5

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S83/DL83_V32					
Identifier:DL83_V32					
Purpose:Verify that the IUT sends a RNR/F=1 in response to a I/P=1 received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
#	+DL83_PREAMBLE ! I START T200 ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	I1_NC(V_R, V_S) RNR1_UR(V_R)	(P) (F) (F)	P=1 N_S=V_R N_R=V_S P=1
Extended Comments:Q.921 Ref. 5.6.2.1					

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V33				
Identifier:DL83_V33				
Purpose:Verify that the IUT sends nothing in response to a I/P=0 received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE				
! I				
# START T200 (T200value-DELTA)	L830	T0_NC (V_R, V_S)		P=0 N_S=V_R N_R=V_S
?TIMEOUT T200				
START T200				
?RNR	L831	RNR1_UC (V_R)	(P)	Allow a poll due to expiry of T200
+DL83_VERIFICATION				
+DL_POSTAMBLE				
+DL83_UNEXPECTED				
GOTO L831			(I)	
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200			(I)	
+DL_POSTAMBLE				
?RNR		RNR1_UC (V_R)	(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE				
+DL83_UNEXPECTED				
GOTO L830				
?OTHERWISE				
+DL_POSTAMBLE			(F)	

Extended Comments:O.921 Ref. 5.6.2.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V34				
Identifier:DL83_V34				
Purpose:Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S <> V_R, N_R = V_S) received in Timer Recovery state (8.3) . The IUT is expected to be in timer Recovery state (8.3) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_S:=V_R+1) ! I		I1_NC(N_S, V_R)		P=1
#				
START T200 ?RNR		RNR1_UC(V_R)	(P)	F=1
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830			(F)
				(F)
Extended Comments:Q.921 Ref. 5.8.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V35				
Identifier:DL83_V35				
Purpose:Verify that the IUT sends nothing in response to a I/P=0 (N_S <> V_R, N_R = V_S) received in Timer Recovery state (8.3). The IUT is expected to be in timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_S:=V_R+1) ! I		I0_NC(N_S, V_R)		P=0
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L830			
	L831	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
			(I)	
?RNR		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V36 Identifier: DL83_V36 Purpose: Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S = V_R V_A < N_R < V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL83_2I_SETUP ! I START T200 ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L830	IL_NC(V_R, V_S)	(P)	P=1 (N_S=V_R, V_A<N_R< V_S) F=1
#				
#				
			(F)	Allow a poll due to expiry of T200
			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V37 Identifier: DL83_V37 Purpose: Verify that the IUT sends nothing in response to a I/P=0 (N_S = V_R V_A < N_R < V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending nothing. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL83_2I_SETUP ! I START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L830 L831	IO_NC(V_R, V_S)	(P)	P=0 (N_S=V_R, V_A<N_R< V_S)
#				
#				
#				
			(I)	Allow a poll due to expiry of T200
			(I)	
#			(F)	Fail a poll before expiry of T200
#				
#			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V38				
Identifier:DL83_V38				
Purpose:Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S <> V_R V_A < N_R < V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL83_2I_SETUP ! I (N_S::=V_R+1)		I1_NC(N_S, V_S)		P=1 (N_S<>V_R, V_A<N_R<V_S)
#				
#				
START T200 ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L830	RNR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run
#				
Extended Comments:Q.921 Ref. 5.8.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V39				
Identifier:DL83_V39				
Purpose:Verify that the IUT sends nothing in response to a I/P=0 (N_S <> V_R V_A < N_R < V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending nothing.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL83_2I_SETUP ! I (N_S::=V_R+1)		I0_NC(N_S, V_S)		P=0 (N_S<>V_R, V_A<N_R<V_S)
#				
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L830			
	L831	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
?RNR			(I)	
		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#				
			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V40				
Identifier:DL83_V40				
Purpose:Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S = V_R V_A = N_R < V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL83_1I_SETUP !I		I1_NC(V_R, V_S)		P=1 (N_S=V_R, V_A=N_R< V_S)
START T200 ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L830	RNR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run

Extended Comments:Q.921 Ref. 5.6.2.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V41				
Identifier:DL83_V41				
Purpose:Verify that the IUT sends a nothing in response to a I/P=0 (N_S = V_R V_A = N_R < V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending nothing.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL83_1I_SETUP !I		I0_NC(V_R, V_S)		P=0 (N_S=V_R, V_A=N_R< V_S)
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L830			
	L831	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR			(I)	
			(I)	
		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	
			I	Test not run

Extended Comments:Q.921 Ref. 5.6.2.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V42				
Identifier: DL83_V42				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S <> V_R V_A = N_R < V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{CAN_SEND_A_IFRAME} +DL70_PREAMBLE +DL83_1I_SETUP !I (N_S:=V_R+1)		I1_NC(N_S, V_S)		P=1 (N_S<>V_R, V_A=N_R<V_S)
#				
#				
START T200 ?RNR	L830	RNR1_UC(V_R)	(P)	F=1
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]				
#			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_V43				
Identifier: DL83_V43				
Purpose: Verify that the IUT sends nothing in response to an I/P=0 (N_S <> V_R V_A = N_R < V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending nothing.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !I (N_S:=V_R+1)		I0_NC(N_S, V_S)		P=0 (N_S<>V_R, V_A=N_R<V_S)
#				
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L830			
#	L831	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR				
#			(I)	
#			(I)	
#			(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE				
#			(F)	
Extended Comments: Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V44				
Identifier:DL83_V44				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a timeout T200 (RC = N200) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (RC::=1)				Timeout once in Preamble
#				
#				
[RC<N200] START Td ?RNR(RC::=RC+1) GOTO L830 +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L830			P=1
[RC=N200] START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L832 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L831	RNR1_UC(V_R)	(F)	P=1
			(F)	
			(F)	
			(P)	
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V45				
Identifier:DL83_V45				
Purpose:Verify that the IUT sends a RNR/P=1 or retransmits I/P=1 after a timeout T200 (RC < N200,V_A < V_S) in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/P=1 or I/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL83_1I_SETUP START Td ?RNR +DL83_VERIFICATION +DL_POSTAMBLE	L830	RNR1_UC(V_R)	(P)	P=1
?I		I1_UC(V_S, V_R)	(P)	P=1
#				
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	
			(F)	
			I	Test not run
#				
Extended Comments:Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_V46				
Identifier:DL83_V46				
Purpose:Verify that the IUT sends a RNR/P=1 in response to a timeout T200 (PC < N200,V_A = V_S) received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[T203_IMPLEMENTED] +DL83_PREAMBLE START Td ?RNR +DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (T203_IMPLEMENTED)]	L830	RNR1_UC (V_R)	(P)	P=1
#			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour					
Reference: LAPD/MFO/S83/DL83_V48					
Identifier: DL83_V48					
Purpose: Verify that the IUT sends a RR/F=0 in response to a CLEAR_OWN_BUSY received in Timer Recovery state (8.3). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=0.					
Default:					
#	Behaviour Description	Label	Constraints Reference	V	Comments
	[CAN_TEST_OWN_BUSY] +DL83_PREAMBLE <IUT: CLEAR_OWN_BUSY>				Clear own busy
	START Topr ?RR +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE ?RR +DL81_VERIFICATION +DL_POSTAMBLE ?RNR GOTO L830 ?SABME +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE (NOT (CAN_TEST_OWN_BUSY))	L830	RR0_UC(V_R) RR1_UC(V_R) RR0_UC(V_R) RNR1_UC(V_R) SABME1_UC	(P) (P) (P) (I) (F) (I) I	F=0 P=1 P=0 P=1 Test not run
#					

Extended Comments: Q.921 Ref. 5.6.6

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_N01 Identifier: DL83_N01 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R := ((V_S+K)+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?PNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	RR1_NC(N_R) SABME1_UC RNR1_UC(V_R) SABME1_UC	 (P) (P) (F) (F) (F) (F)	P=1 P=1 P=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_N02 Identifier: DL83_N02 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R := ((V_S+K)+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	RR0_NC(N_R) SABME1_UC	 (P) (F) (F)	P=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_N03 Identifier: DL83_N03 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREMABLE (N_R::=((V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L830	RR1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1

Extended Comments: Q.921 Ref. 5.8.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_N04 Identifier: DL83_N04 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R::=((V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L830	RR0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_N05				
Identifier:DL83_N05				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R:=((V_S+K)+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Topr ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	REJ1_NC(N_R) SABME1_UC RNR1_UR(V_R) SABME1_UC	 (P) (P) (F) (F) (F) (F)	 P=1 P=1 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_N06				
Identifier:DL83_N06				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R:=((V_S+K)+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	REJ0_NC(N_R) SABME1_UC	 (F) (F) (F)	 P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_N07 Identifier:DL83_N07 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R::=((V_S+K)+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L830	REJ1_NR(N_R) SABME1_UC	 (P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_N08 Identifier:DL83_N08 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R::=((V_S+K)+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L830	REJ0_NR(N_R) SABME1_UC	 (P) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_N09 Identifier: DL83_N09 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R := ((V_S+K)+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RNR START T3 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T3 +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	RNR1_NC(N_R) SABME1_UC RNR1_UR(V_R) SABME1_UC	 (F) (F) (F) (F) (F) (F) (F)	P=1 P=1 F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_N10 Identifier: DL83_N10 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R := ((V_S+K)+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	RNR0_NC(N_R) SABME1_UC	 (P) (F) (F)	P=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S83/DL83_N11				
Identifier:DL83_N11				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R:=((V_S+K)+1)) :RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L830	RNR1_NR(N_R) SABME1_UC	(P) (P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S83/DL83_N12				
Identifier:DL83_N12				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R:=((V_S+K)+1)) :RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L830	RNR0_NR(N_R) SABME1_UC	(P) (P)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_N13				
Identifier:DL83_N13				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S = V_R, N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R::=((V_S+K)+1)) !! #		I1_NC(V_R, N_R)		P=1
START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE	L830	SABME1_UC	(P)	P=1
?RNR START T0pr ?SABME +DL51_VERIFICATION +DL_POSTAMBLE		RNR1_UR(V_R)		F=1
+DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T0pr +DL_POSTAMBLE	L831	SABME1_UC	(P)	P=1
+DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	(F)
			(F)	(F)
			(F)	(F)

extended Comments:Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_N14				
Identifier: DL83_N14				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S = V_R, N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_R::=((V_S+K)+1)) ! I		I0_NC(V_R, N_R)		P=0
#				
START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	SABME_UC	(P)	P=1
			(F)	
			(F)	

Extended Comments: Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_N15 Identifier: DL83_N15 Purpose: Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S <> V_R, N_R = V_S+K+1) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE (N_S::=V_R+1, N_R::=((V_S+K)+1)) !I # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L831 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	IL_NC(N_S, N_R) SABME1_UC RNR1_UR(V_R) SABME1_UC	(P) (P) (P) (F) (F) (F) (F)	P=1 P=1 F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

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Test Case Dynamic Behaviour			
Behaviour Description	Label	Constraints Reference	V
+DL83_PREAMBLE !SABME_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	SABME_TL1_NC SABME1_UC	P=1 (P) (F) (F)

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_N18 Identifier:DL83_N18 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC frame, with excess length, received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !DISC_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	DTSC_TL1_NC SABME1_UC	(F) (F) (F)	P=1

Extended Comments:0.921 Ref. 5.7.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_N19 Identifier:DL83_N19 Purpose:Verify that the IUT sends a SABME/P=1 in response to a UA frame, with excess length, received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !UA_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	UA_TL1_NR SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_N20 Identifier:DL83_N20 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM frame, with excess length, received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !DM_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	DM_TL1_NR SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_N21				
Identifier:DL83_N21				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR frame, with excess length, received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !FRMR_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	FRMR_TL1_NR SABME1_UC	(P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S83/DL83_N22				
Identifier:DL83_N22				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR frame, with excess length, received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !RR_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	RR_TL1_NC (V_S) SABME1_UC	(P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/NFO/S83/DL83_N23				
Identifier: DL83_N23				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR frame, with excess length, received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !RNR_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	RNR_TL1_NC (V_S) SABME1_UC	(P)	P=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S83/S83/DL83_N24				
Identifier: DL83_N24				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ frame, with excess length, received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !REJ_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	REJ_TL1_NC (V_S) SABME1_UC	(P)	P=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_N25				
Identifier: DL83_N25				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE				
!I_TL		I_TL1_NC (V_R, V_S)		
#				
START T200				
?SABME	L830	SABME1_UC	(P)	P=1
+DL51_VERIFICATION				
+DL_POSTAMBLE				
+DL83_UNEXPECTED				
GOTO L830				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour					
Reference:LAPD/WFO/S83/DL83_N26					
Identifier:DL83_N26					
Purpose:Verify that the IUT sends a SABME/P=1 in response to an undefined frame received in Timer Recovery state (8.3). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL83_PREAMBLE !UNDEF START T200 ?SABME +DL51_VERIFICATION +DL__POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL__POSTAMBLE	L830	UNDEF1_NC SABME1_UC	 (P)	 (F) (F)	
Extended Comments:Q.921 Ref. 5.7.1					

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S83/DL83_N27				
Identifier: DL83_N27				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a frame in error (I field not permitted) received in Timer Recovery state (8.3). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL83_PREAMBLE !SABME_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L830 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L830	SABME_TL1_NC SABME1_UC	(P) (F) (F)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V01				
Identifier: DL84_V01				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_SABME] +DL84_PREAMBLE <IUT:SABME> # # #				
START Topr (T200value*N200) ?SABME +DL50_VERIFICATION +DL_POSTAMBLE ?RR GOTO L840 +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_SEND_SABME)] #	L840	SABME1_UC RR1_UC(V_R)	(P) (F) (F) I	Initiate Link Establishment Request P=1 Test not run
Extended Comments: Q.921 Ref. 5.5.1.2 In order to successfully execute this test, the test operator must be able to have the IUT send a SABME in less than T200*N200 seconds.				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S84/DL84_V03					
Identifier:DL84_V03					
Purpose:Verify that the IUT does not send additional I Frames in Timer Recovery state (8.4) even if V_S<V_A+K. The IUT is expected to remain in Timer Recovery state (8.4).					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
[CAN_SEND_A_IFRAME] +DL84_PREAMBLE <IUT:I> START Topr (CNT::=0) [CNT<N200] ?RR (CNT::=CNT + 1) GOTO L840 +DL84_UNEXPECTED GOTO L841 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [CNT=N200] ?SABME	L840 L841	RRI_UC (V_R)	(F) (I)	V_A=0	
+DL50_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L842 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L842	SABME_UC	(P)	SABME after N200 polls	
#			I	Test not run	

Extended Comments:O_921_Ref_5.6.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V04				
Identifier:DL84_V04				
Purpose:Verify that the IUT does not send additional I Frames in Timer Recovery state (8.4) when V_S=V_A+K (window is closed) The IUT is expected to remain in Timer Recovery state (8.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL84_WC_SETUP				
START Td ?TIMEOUT Td +DL84_VERIFICATION +DL_POSTAMBLE ?RR	L840		(P)	set window closed and timer req IUT sends nothing
+DL84_VERIFICATION +DL_POSTAMBLE ?I		RR1_UC(V_R)	(P)	P=1. IUT polls w/ RR/1
+DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE {NOT(CAN_SEND_IFRAMES)}		I0_UC(V_S, V_R)	(F)	IUT sends queued I - Fail
			(F)	
			I	Test not run

Extended Comments:Q.921 Ref. 5.6.1

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S84/DL84_V08					
Identifier:DL84_V08					
Purpose:Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer Recovery state (8.4). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL84_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0)	L840	SABME1_NC UA1_UR	(P)	P=1 F=1	
#					
+DL70_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)		
Extended Comments:Q.921 Ref. 5.5.2					

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S84/DL84_V10					
Identifier:DL84_V10					
Purpose:Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Timer Recovery state (8.4). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL84_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0)	L840	SABME0_NC UA0_UR	(P)	P=0 F=0	
#					
+DL70_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)		
Extended Comments:Q.921 Ref. 5.5.2					

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V12				
Identifier:DL84_V12				
Purpose:Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.4). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !DISC START T200 ?UA	L840	DISC1_NC UA1_UR	(P)	P=1 F=1
#				
Extended Comments:Q.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V13				
Identifier:DL84_V13				
Purpose:Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.4). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !DISC START T200 ?UA	L840	DISC0_NC UA0_UR	(P)	P=0 F=0
#				
Extended Comments:Q.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour					
Reference:LAPD/WFO/S84/DL84_V14					
Identifier:DL84_V14					
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL84_PREAMBLE !DM START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	DM1_NR SABMEL_UC	(P)	F=1 P=1	
(F) (F)					

Extended Comments:Q.921 Ref. 5.7.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V15 Identifier:DL84_V15 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !DM START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	DM0_NR SABMEL_UC	 (P) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V17				
Identifier:DL84_V17				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !FRMR_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	FRMR_RR1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V20				
Identifier:DL84_V20				
Purpose:Verify that the IUT sends a RR/F=1 in response to a RR/P=1 (V_A<N R<V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !RR # START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	RR1_NC (V_S) RR1_UR (V_R)	(P)	P=1 V_A<N R<V_S F=1
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V21				
Identifier: DL84_V21				
Purpose: Verify that the IUT sends nothing in response to a RR/P=0 (V_A<N_R<=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !RR		RR0_NC(V_S)		P=0 V_A<N_R<=V_S
# START T200 (T200value-DELTA)	L840			
?TIMEOUT T200				
START T200	L841	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
?RR				
+DL80_VERIFICATION				
+DL_POSTAMBLE				
+DL80_UNEXPECTED				
GOTO L841				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
?RR		RR1_UC(V_R)	(I)	Fail a poll before expiry of T200
			(I)	
+DL_POSTAMBLE			(F)	
+DL84_UNEXPECTED				
GOTO L840				
?OTHERWISE				
+DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V22				
Identifier: DL84_V22				
Purpose: Verify that the IUT sends nothing in response to a RR/F=1 (V_A<N_R<=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !RR		RR1_NR(V_S)		F=1 V_A<N_R<=V_S
# START Td				
?TIMEOUT Td	L840		(P)	
+DL70_VERIFICATION				
+DL_POSTAMBLE				
+DL84_UNEXPECTED				
GOTO L840				
?OTHERWISE				
+DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V23 Identifier: DL84_V23 Purpose: Verify that the IUT sends nothing in response to a RR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !RR		RR0_NR(V_S)		F=0 V_A<=N_R<=V_S
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L840			
#	L841	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
# +DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L841 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR			(I)	
#			(I)	
# +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V24 Identifier: DL84_V24 Purpose: Verify that the IUT sends a RR/P=1 in response to a REJ/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.0) after sending RR/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !REJ		REJ1_NC(V_S)		P=1 V_A<=N_R<=V_S
# START T200 ?RR +DL80_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V25				
Identifier: DL84_V25				
Purpose: Verify that the IUT sends nothing in response to a REJ/P=0 (V_A=N_R<=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !REJ		REJ0_NC(V_S)		P=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA)	L840			
?TIMEOUT T200				
START T200				
?RR	L841	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
#				
+DL80_VERIFICATION				
+DL_POSTAMBLE				
+DL80_UNEXPECTED				
GOTO L841				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
?RR		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE				
+DL84_UNEXPECTED				
GOTO L840				
?OTHERWISE				
+DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V27				
Identifier: DL84_V27				
Purpose: Verify that the IUT sends nothing in response to a REJ/F=0 (V_A<N_R<=V_S) received in timer Recovery state (8.4). The IUT is expected to be in timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !REJ		REJ0_NR(V_S)		F=0 V_A<N_R<=V_S
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L840			
DL80_VERIFICATION +DL_POSTAMBLE +DL80_UNEXPECTED GOTO L841 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L841	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
?RR				
+DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE			(I)	
			(I)	
		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V28				
Identifier: DL84_V28				
Purpose: Verify that the IUT sends a RR/F=1 in response to a RNR/P=1 (V_A<N_R<=V_S) received in timer Recovery state (8.4). The IUT is expected to be in timer Recovery state (8.4) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !RNR		RNR1_NC(V_S)		P=1 V_A<N_R<=V_S
START T200 ?RR				
+DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V29				
Identifier: DL84_V29				
Purpose: Verify that the IUT sends nothing in response to a RNR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !RNR		RNR0_NC(V_S)		P=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA)	L840			
?TIMEOUT T200				
START T200	L841	RRL_UC(V_R)	(P)	Allow a poll due to expiry of T200
?RR				
#				
#				
#				
+DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L841 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
?RR		RRL_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V30				
Identifier: DL84_V30				
Purpose: Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Multiple Frame Established state (7.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !RNR		RNR1_NR(V_S)		F=1 V_A<=N_R<=V_S
#				
START T200				
?TIMEOUT T200	L840			
START Td				
?RR		RRL_UC(V_R)	(P)	P=1
+DL84_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE				
?RR		RRL_UC(V_R)	(I)	P=1
+DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE				
?RR		RRL_UC(V_R)	(I)	P=1
+DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.5				
At the instant that the IUT receives RNR/F=1, it starts its T200 timer. In order to not incorrectly fail the IUT when it sends a poll upon expiry of its T200, a poll received prior to the TIMEOUT of T200 is assigned an INCONCLUSIVE verdict; a poll received after expiry of T200 is assigned a conditional PASS verdict with a verification of the appropriate state.				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V31				
Identifier:DL84_V31				
Purpose:Verify that the IUT sends nothing in response to a RNR/F=0 (V_A<=N_R=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !RNR		RNR0_NR(V_S)		F=0 V_A<=N_R<=V_S
#	L840			
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L841	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
#				
+DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L841 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR			(I)	Fail a poll before expiry of T200
#			(I)	
#			(F)	
+DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V32				
Identifier:DL84_V32				
Purpose:Verify that the IUT sends a RR/F=1 in response to a I/P=1 received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !I (V_R:=V_R+1)		IL_NC(V_R, V_S)		P=1 N_S=V_R N_R=V_S
#				
START T200 ?RR +DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V33				
Identifier:DL84_V33				
Purpose:Verify that the IUT sends a RR/F=0 in response to a I/P=0 received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !I (V_R:=V_R+1)		I0_NC(V_R, V_S)		P=0 N_S=V_R N_R=V_S
# START T200 ?RR +DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L841 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L841	RR0_UR(V_R)	(P)	F=0
Extended Comments:Q.921 Ref. 5.6.2.2				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V34				
Identifier:DL84_V34				
Purpose:Verify that the IUT sends a REJ/F=1 in response to a I/P=1 (N_S>V_R, N_R=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.5) after sending REJ/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE (N_S:=V_R+1) !I		I1_NC(N_S, V_S)		P=1
# START T200 ?REJ	L840	REJ1_UR(V_R)	(P)	F=1
# +DL85_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	(F)
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V35				
Identifier: DL84_V35				
Purpose: Verify that the IUT sends a REJ/F=0 in response to a I/P=0 (N_S<V_R, N_R=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.5) after sending REJ/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE (N_S:=V_R+1) ! I		I0_NC(N_S, V_S)		P=0
#				
START T200 ?REJ	L840	REJ0_UR(V_R)	(P)	F=0
#				
+DL85_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V36				
Identifier: DL84_V36				
Purpose: Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL84_2I_SETUP ! I (V_R:=V_R+1)		I1_NC(V_R, V_S)		P=1 (N_S=V_R, V_A<N_R<V_S)
#				
#				
START T200 ?RR +DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L840	RR1_UR(V_R)	(P)	F=1
#				
			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V37				
Identifier:DL84_V37				
Purpose:Verify that the IUT sends a RR/F=0 in response to a I/P=0 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL84_2I_SETUP !I (V_R:=V_R+1)		I0_NC(V_R, V_S)		P=0 (N_S=V_R, V_A<N_R< V_S)
#				
#				
START T200 ?RR +DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L840	RR0_UR(V_R)	(P)	F=0
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V38				
Identifier:DL84_V38				
Purpose:Verify that the IUT sends a REJ/F=1 in response to a I/P=1 (N_S<V_R V_A<N_R<V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.5) after sending REJ/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL84_2I_SETUP (N_S:=V_R+1) !I		I1_NC(N_S, V_S)		P=1 (N_S<V_R, V_A<N_R< V_S)
#				
#				
START T200 ?REJ +DL85_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L840	REJ1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V39 Identifier: DL84_V39 Purpose: Verify that the IUT sends a REJ/F=0 in response to a I/P=0 (N_S<V_R V_A<N_R<V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.5) after sending REJ/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL84_2I_SETUP (N_S:=V_R+1) !I		I0_NC(N_S, V_S)		P=0 (N_S<V_R, V_A<N_R<V_S)
START T200 ?REJ	L840	REJO_UR(V_R)	(P)	F=0
+DL85_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#			(F)	
#			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V40 Identifier: DL84_V40 Purpose: Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S=V_R V_A=N_R<V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL84_1I_SETUP !I (V_R:=V_R+1)		I1_NC(V_R, V_S)		P=1 (N_S=V_R, V_A=N_R<V_S)
START T200 ?RR +DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L840	RR1_UR(V_R)	(P)	F=1
#			(F)	
#			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V41				
Identifier:DL84_V41				
Purpose:Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S=V_R V_A=N_R<V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL84_II_SETUP ! I(V_R:=V_R+1)				
#				
START T200 ?RR				
+DL84_VERIFICATION +DL_POSTAMBLE GOTO L840	L840	I0_NC(V_R, V_S)	(P)	s7.0
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
[NOT(CAN_SEND_A_IFRAME)]			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V42				
Identifier:DL84_V42				
Purpose:Verify that the IUT sends a REJ/F=1 in response to a I/P=1 (N_S<V_R V_A=N_R<V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.5) after sending REJ/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL84_II_SETUP (N_S:=V_R+1)				
#				
! I				
START T200 ?REJ	L840	IL_NC(N_S, V_S)	(P)	P=1 (N_S<V_R, V_A=N_R <V_S)
+DL85_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840				F=1
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
[NOT(CAN_SEND_A_IFRAME)]			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V43				
Identifier:DL84_V43				
Purpose:Verify that the IUT sends a REJ/F=0 in response to a I/P=0 (N_S<>V_R V_A=N_R<V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.5) after sending REJ/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL84_I1_SETUP (N_S::=V_R+1) !I		I0_NC(N_S, V_S)		P=0 (N_S<>V_R, V_A=N_R<V_S)
START T200 ?REJ	L840	REJ0_UR(V_R)	(P)	F=0
+DL85_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE (NOT (CAN_SEND_A_IFRAME))			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_V44				
Identifier:DL84_V44				
Purpose:Verify that the IUT sends a SABME/P=1 after timeout of T200 N200 times in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE (RC::=1)				timeout once in preamble
#				
#	L840			
[RC<N200] START Td ?RR(RC::=RC+1) GOTO L840 +DL84_UNEXPECTED GOTO L841 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE (RC=N200) START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L842 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L841	RR1_UC(V_R)	(F) (F) (P)	P=1
	L842	SABME1_UC	(P)	P=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V45 Identifier: DL84_V45 Purpose: Verify that the IUT sends a RR/P=1 after a timeout T200 (RC=N200,V_A<V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL84_I1_SETUP START Td ?RR +DL84_VERIFICATION +DL_POSTAMBLE ?I +DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L840	RR1_UC(V_R)	(P)	P=1
#		I1_UC(V_S, V_R)	(P)	P=1
#			(F)	Test not run
Extended Comments: Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V46 Identifier: DL84_V46 Purpose: Verify that the IUT sends a RR/P=1 in response to a timeout T200 (RC=N200,V_A=V_S) received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/P=1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
{T203_IMPLEMENTED} +DL84_PREAMBLE START Td ?RR +DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (T203_IMPLEMENTED)]	L840	RR1_UC(V_R)	(P)	P=1
#			(F)	Test not run
Extended Comments: Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_V47				
Identifier: DL84_V47				
Purpose: Verify that the IUT sends a RNR/P=1 in response to a SET_OWN_BUSY received in Timer Recovery state (8.4). The IUT is expected to be in Timer Recovery state (8.6) after sending RNR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL84_PREAMBLE <IUT! RNR> START Topr ?RNR +DL86_VERIFICATION +DL_POSTAMBLE ?RNR +DL86_VERIFICATION +DL_POSTAMBLE ?RR GOTO L840 +DL84_UNEXPECTED GOTO L840 ?SABME +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT (CAN_TEST_OWN_BUSY)]	L840	RNR1_UC(V_R) <		

[illegible]

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference: LAPD/WFO/S84/DL84_N03 Identifier: DL84_N03 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.4) The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL84_PREAMBLE (N_R::=((V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L840	RR1_NR(N_R) SABME1_UC	 (P) (F) (F)	F=1 P=1	

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_N04 Identifier:DL84_N04 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE (N_R::=((V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L840	PRO_NR(N_R) SABME1_UC	(P) (F) (F)	P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

[illegible]

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_N06				
Identifier:DL84_N06				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE (N_R:=(V_S+K)+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	REJ0_NC(N_R) SABME1_UC	 (P) (F) (F)	 P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_N07				
Identifier:DL84_N07				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE (N_R:=(V_S+K)+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L840	REJ1_MR(N_R) SABME1_UC	 (F) (F) (F)	 P=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

[illegible]

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S84/DL84_N10 Identifier: DL84_N10 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE (N_R := ((V_S+K)+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	RNR0_NC(N_R) SABME1_UC	(P) (F) (F)	P=0 P=1

Extended Comments: Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S84/DL84_N11 Identifier:DL84_N11 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE (N_R:=((V_S+K)+1)) !RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L840	RNR1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S84/DL84_N13 Identifier:DL84_N13 Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S=V_R, N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1. Default:					
#	Behaviour Description	Label	Constraints Reference	V	Comments
	+DL84_PREAMBLE (N_R:=V_S+1) ! I (V_R:=V_R+1)		IL_NC(V_R, N_R)		P=1
	START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE	L840	SABME1_UC	(P)	P=1
	?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE		RR1_UR(V_R)		P=1
	GOTO L841 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L841	SABME1_UC	(P)	P=1
	+DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
				(F)	
				(F)	
				(F)	
				(F)	

Extended Comments:O.92|Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S84/DL84_N14				
Identifier:DL84_N14				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_SV_R, N_R = V_S+K+1) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE (N_R::=((V_S+K)+1)) ! I				P=0
#				
START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	I0_NC(V_R, N_R) SABME_UC	(P) (F) (F)	P=1

Extended Comments:Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_N15				
Identifier:DL84_N15				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S<>V_R, N_R = V_S+K+1) received in timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE (N_S:=V_R+1, N_R:=((V_S+K)+1)) ! I		I1_NC(N_S, N_R)		P=1
#				
START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE	L840	SABME_UC	(P)	P=1
?REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L841		REJ1_UR(V_R)		F=1
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840	L841	SABME_UC	(P)	P=1
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	(F)
			(F)	(F)
			(F)	(F)

Extended Comments:Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_N16				
Identifier:DL84_N16				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=P=0 (N_S<>V_R, N_R = V_S+K+1) received in timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE (N_S::=V_R+1,N_R::=((V_S+K)+1)) !!		I0_NC(N_S, N_R)		P=0
#				
START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE	L840	SABME1_UC	(P)	P=1
?REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE		REJ0_UR(V_R)		P=0
+DL84_UNEXPECTED GOTO L841 ?OTHERWISE +DL_POSTAMBLE	L841	SABME1_UC	(P)	P=1
?TIMEOUT Td +DL_POSTAMBLE				(F)
+DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE				(F)
?TIMEOUT T200 +DL_POSTAMBLE				(F)
+DL_POSTAMBLE				(F)

Extended Comments:O.921 Ref. 5.8.2

Test Case Dynamic Behaviour			
Reference:LAPD/WFO/S84/DL84_N17 Identifier:DL84_N17 Purpose:Verify that the IUT sends a SABME/P=1 in response to a SABME/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:			
Behaviour Description	Label	Constraints Reference	V Comments
+DL84_PREAMBLE !SABME_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	SABME_TL1_NC SABME1_UC	 (P) (F) (F)
Extended Comments:Q.921 Ref. 5.7.1			

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_N18				
Identifier:DL84_N18				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !DISC_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	DISC_TL1_NC SABME_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_N19				
Identifier:DL84_N19				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a UA/F=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !UA_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	UA_TL1_NR SABME_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

[illegible]

Test Case Dynamic Behaviour			
Reference::LAPD/MFO/S84/DL84_N21 Identifier::DL84_N21 Purpose::Verify that the IUT sends a SABME/P=1 in response to a FRMR/F-1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:			
Behaviour Description	Label	Constraints Reference	V Comments
+DL84_PREAMBLE !FRMR_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTTABLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTTABLE ?TIMEOUT T200 +DL_POSTTABLE	L840	FRMR_TL1_NR SABMEL_UC	 (P) (F) (F)
Extended Comments:Q.921 Ref. 5.7.1			

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_N22				
Identifier: DL84_N22				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !RR_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	RR_TL1_NC (V_S) SABME1_UC	(P)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S84/DL84_N23				
Identifier: DL84_N23				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 frame, with excess length, received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !RNR_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	RNR_TL1_NC (V_S) SABME1_UC	(P)	P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_N24				
Identifier:DL84_N24				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 frame, with excess length, received in timer recovery state (8.4). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE ! I_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	REJ_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)	 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S84/DL84_N25				
Identifier:DL84_N25				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in timer recovery state (8.4). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE ! I_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	I_TL1_NC (V_R, V_S) SABME1_UC	 (P) (F) (F)	 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour			
Behaviour Description	Label	Constraints Reference	V
+DL84_PREAMBLE !UNDEF START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	UNDEF1_NC SABME1_UC	P=1 (F) (F)

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S84/DL84_N27 Identifier: DL84_N27 Purpose: Verify that the IUT sends a SABME/P=1 in response to a frame with error (I field not permitted) received in Timer Recovery state (8.4). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !SABME_TL		SABME_TL1_NC		
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L840	SABME1_UC	(P)	P=1
			(F)	
			(F)	

Extended Comments: Q.921 Ref. 5.7.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V01				
Identifier:DL85_V01				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_SABME] +DL85_PREAMBLE <IUT!SABME>		SABME1_UC		Initiate Link Establishment
#				
#				
START Topr (T200value*N200) ?SABME +DL50_VERIFICATION +DL_POSTAMBLE ?RR GOTO L850 +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT (CAN_SEND_SABME)]	L850	SABME1_UC RR1_UC (V_R)	(P)	P=1
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.5.1.2 In order to successfully execute this test, the test operator must be able to have the IUT send a SABME in less than T200*N200 seconds.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V03				
Identifier:DL85_V03				
Purpose:Verify that the IUT does not sent additional I frames in Timer Recovery state (8.5) even if V_S < V_A+K. The IUT is expected to remain in Timer Recovery state (8.5).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL85_PREAMBLE [I_CNT < K] <IUT!I>				V_A=0 Init one DL Data Request
#				
#				
START Topr ?TIMEOUT Topr +DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE [I_CNT>=K] +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L850		(P)	
			(F)	
			(I)	Window closed
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V04				
Identifier:DL85_V04				
Purpose:Verify that the IUT sends nothing in response to a I (V_S-V_A+K) in queue in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL85_MC_SETUP				set window closed and timer req
#				
#				
START Td ?TIMEOUT Td	L850		(P)	IUT sends nothing
#				
+DL85_VERIFICATION +DL_POSTAMBLE ?RR		RR1_UC(V_R)	(P)	P=1, IUT polls w/ RR/1
#				
#				
+DL85_VERIFICATION +DL_POSTAMBLE ?I		I0_UC(V_S, V_R)	(F)	IUT sends queued I - Fail
#				
#				
+DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)]			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V08				
Identifier:DL85_V08				
Purpose:Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer Recovery state (8.5). The IUT is expected to be in multiple frame established state (7.0) after sending UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !SABME START T200 ?UA(V_S::=0,V_R::=0,V_A::=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	SABME1_NC UA1_UR	(P) (F) (F)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V10				
Identifier:DL85_V10				
Purpose:Verify that the IUT sends a UA/F=0 in response a SABME/P=0 received in Timer Recovery state (8.5). The IUT is expected to be in multiple frame established state (7.0) after sending UA/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !SABME START T200 ?UA(V_S:=0,V_R:=0,V_A:=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	SABME0_NC UA0_UR	(P)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V12				
Identifier:DL85_V12				
Purpose:Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.5). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	DISC1_NC UA1_UR	(F)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V13 Identifier:DL85_V13 Purpose:Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.5). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !DISC START T200 ?UA +DL40_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	DISC_NC UA0_UR	(P) (F) (F)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V14 Identifier: DL85_V14	Purpose: Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.			
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE IDM START Topr ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE	L850	DM1_NR SABME1_UC	 (F) (F) (F)	 F=1 P=1

Extended Comments: Q.921 Ref. 5.7.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V15				
Identifier: DL85_V15				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !DM START Topr ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE	L850	DM0_NR SABME1_UC	(P)	F=0 P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V17				
Identifier: DL85_V17				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !FRMR_FR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L800	FRMR_RR1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V20				
Identifier:DL85_V20				
Purpose:Verify that the IUT sends a RR/F=1 in response to a RR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !RR		RR1_NC(V_S)		P=1 V_A<=N_R<=V_S
#				
START T200 ?RR		RR1_UR(V_R)	(P)	F=1
+DL81_VERIFICATION +DL_POSTAMBLE GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850		(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V21				
Identifier:DL85_V21				
Purpose:Verify that the IUT sends nothing in response to a RR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !RR		RR0_NC(V_S)		P=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L850			
+DL81_VERIFICATION +DL_POSTAMBLE GOTO L851 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L851	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
			(I)	
			(I)	
?RR		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V22				
Identifier: DL85_V22				
Purpose: Verify that the IUT sends nothing in response to a RR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in multiple frame established state (7.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !RR START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE GOTO L850 ?OTHERWISE +DL_POSTAMBLE	L850	RR1_NR (V_S)	(P)	F=1 V_A<=N_R<=V_S
#				
#				
#				
Extended Comments: Q.921 Ref. 5.6.5				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V23				
Identifier: DL85_V23				
Purpose: Verify that the IUT sends nothing in response to a RR/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !RR START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L850	RR0_NR (V_S)		F=0 V_A<=N_R<=V_S
#				
#				
#				
+DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L851 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR	L851	RR1_UC (V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
#				
+DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE		RR1_UC (V_R)	(F)	Fail a poll before expiry of T200
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V24				
Identifier: DL85_V24				
Purpose: Verify that the IUT sends a RR/F=1 in response to a REJ/P=1 (V_A<N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.1) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE		REJ1_NC (V_S)		P=1 V_A<=N_R<=V_S
#				
START T200				
?RR	L850	RR1_UR (V_R)	(P)	F=1
+DL81_VERIFICATION				
+DL_POSTAMBLE				
+DL85_UNEXPECTED				
GOTO L850				
?OTHERWISE				
+DL_POSTAMBLE				(F)
?TIMEOUT T200				
+DL_POSTAMBLE				(F)
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: IAPD/MFO/S85/585/DL85_V25				
Identifier: DL85_V25				
Purpose: Verify that the IUT sends nothing in response to a REJ/P=0 (V_A<N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !REJ		REJ0_NC (V_S)		P=0 V_A<N_R<=V_S
# START T200 (T200value-DELTA)	L850			
# ?TIMEOUT T200				
# START T200	L851	RR1_UC (V_R)	(F)	Allow a poll due to expiry of T200
# ?RR				
+DL81_VERIFICATION				
+DL_POSTAMBLE				
+DL81_UNEXPECTED				
GOTO L851			(I)	
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200			(I)	
+DL_POSTAMBLE				
?RR		RR1_UC (V_R)	(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE				
+DL85_UNEXPECTED				
GOTO L850				
?OTHERWISE				
+DL_POSTAMBLE			(F)	

Extended Comments: Q.921 Ref. 5.6.4

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V26				
Identifier:DL85_V26				
Purpose:Verify that the IUT sends nothing in response to a REJ/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in multiple frame established state (7.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !REJ START Td ?TIMEOUT Td +DL71_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE	L850	REJ1_NR (V_S)	(P)	F=1 V_A<=N_R<=V_S
#			(F)	
Extended Comments:Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V27				
Identifier:DL85_V27				
Purpose:Verify that the IUT sends nothing in response to a REJ/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !REJ START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L850	REJ0_NR (V_S)		F=0 V_A<=N_R<=V_S
#			(P)	Allow a poll due to expiry of T200
+DL81_VERIFICATION +DL_POSTAMBLE +DL81_UNEXPECTED GOTO L851 ?OTHERWISE +DL_POSTAMBLE +DL_POSTAMBLE	L851	RR1_UC (V_R)		
#			(I)	
?RR			(I)	
+DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE		RR1_UC (V_R)	(F)	Fail a poll before expiry of T200
#			(F)	
Extended Comments:Q.921 Ref. 5.6.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V28				
Identifier:DL85_V28				
Purpose:Verify that the IUT sends a RR/F=1 in response to a RNR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !RNR		RNR1_NC(V_S)		P=1 V_A<=N_R<=V_S
#				
START T200 ?RR	L850	RR1_UR(V_R)	(P)	F=1
+DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V29				
Identifier:DL85_V29				
Purpose:Verify that the IUT sends nothing in response to a RNR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !RNR		RNR0_NC(V_S)		P=0 (V_A<=N_R<=V_S)
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L850			
	L851	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L851 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
			(I)	
			(I)	
?RR		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
+DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE				
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V30				
Identifier: DL85_V30				
Purpose: Verify that the IUT sends nothing in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in multiple frame established state (7.5).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !RNR		RNR1_NR(V_S)		P=1 V_A<=N_R<=V_S
#				
START T200 ?TIMEOUT T200 START Td ?RR	L850			
+DL85_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE		RR1_UC(V_R)	(P)	P=1
?RR				
+DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850		RR1_UC(V_R)	(I)	P=1
?OTHERWISE +DL_POSTAMBLE				
#				
Extended Comments: Q.921 Ref. 5.6.5 At the instant that the IUT receives RNR/F=1, it starts its T200 timer. In order to not incorrectly fail the IUT when it sends a poll upon expiry of its T200, a poll received prior to the TIMEOUT of T200 is assigned an INCONCLUSIVE verdict; a poll received after expiry of T200 is assigned a conditional PASS verdict with a verification of the appropriate state.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V31				
Identifier: DL85_V31				
Purpose: Verify that the IUT sends nothing in response to a RNR/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !RNR		RNR0_NR(V_S)		F=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L850			
+DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L851 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L851	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
?RR				
#				
+DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE			(I)	
#				
+DL_POSTAMBLE		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V32				
Identifier:DL85_V32				
Purpose:Verify that the IUT sends a RR/F=1 in response to a I/P=1 received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE ! I (V_R:=V_R+1)		I1_NC(V_R, V_S)		P=1 N_S=V_R N_R=V_S
START T200 ?RR (V_A:=RR.N_R) +DL84_VERIFICATION +DL_POSTAMBLE GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	RR1_UR(V_R)	(P)	F=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V33				
Identifier:DL85_V33				
Purpose:Verify that the IUT sends a RR/F=0 in response to a I/P=0 received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE ! I (V_R:=V_R+1)		I0_NC(V_R, V_S)		P=0 N_S=V_R N_R=V_S
START T200 ?RR (V_A:=RR.N_R) +DL84_VERIFICATION +DL_POSTAMBLE GOTO L851 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850 L851	RR0_UR(V_R)	(P)	F=0
		I1_NC(V_S, V_R)	(P)	P=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V34				
Identifier: DL85_V34				
Purpose: Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_S::=V_R+1) ! I		I1_NC(N_S, V_S)		P=1
#				
START T200 ?RR +DL85_VERIFICATION +DL_POSTAMBLE	L850	RR1_UR(V_R)	(P)	F=1
? I				
#				
+DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE		I1_UC(V_S, V_R)	(P)	P=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V35				
Identifier: DL85_V35				
Purpose: Verify that the IUT sends nothing in response to a I/P=0 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_S::=V_R+1) ! I		I0_NC(N_S, V_S)		P=0
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RR	L850 L851	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
#				
+DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L851 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
?RR			(I)	
#				
#				
#				
+DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE		RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
			(F)	
Extended Comments: Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/S85_V36 Identifier:DL85_V36 Purpose:Verify that the IUT sends a RR/P=1 in response to a I/P=1 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL85_2I_SETUP ! I (V_R::=V_R+1) START T200 ?RR (V_A::=RR,N_R) +DL84_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)]	L850	I1_NC(N_S, V_S) RR1_UR(V_R)	(P) (F) (F) I	P=1 (N_S=V_R, V_A<N_R<V_S) F=1 Test not run
Extended Comments:Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/S85_V37 Identifier:DL85_V37 Purpose:Verify that the IUT sends a RR/P=0 in response to a I/P=0 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/P=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL85_2I_SETUP ! I (V_R::=V_R+1) START T200 ?RR (V_A::=RR,N_R) +DL84_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_IFRAMES)]	L850	I0_NC(V_R, V_S) RR0_UR(V_R)	(P) (F) (F) I	P=0 (N_S=V_R, V_A<N_R<V_S) F=0 Test not run
Extended Comments:Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/S85_V38 Identifier:DL85_V38				
Purpose:Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S<V_R V_A<N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL85_2I_SETUP (N_S:=V_R+1) ! I # # START T200 ?RR +DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)] # </pre>	L850	IL_NC(N_S, V_S) RRI_UR(V_R)	(P) (F) (F) I	P=1 (N_S<V_R, V_A<N_R<V_S) P=1 Test not run

Extended Comments:Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S85/DL85_VJ9					
Identifier:DL85_VJ9					
Purpose:Verify that the IUT sends nothing in response to a I/P=0 (N_S<>V_R V_A<N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5).					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
#	[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL85_2I_SETUP (N_S:=V_R+1) ! I		I0_NC(N_S, V_S)		P=0 (N_S<>V_R, V_A<N_R< V_S)
#	START T200 ?TIMEOUT T200 START T200 ?RR	L850			
#	+DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L851 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR	L851	RR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				(I)	
#				(I)	
#			RR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#	+DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#				I	Test not run

Extended Comments:0.921 Ref. 5.8.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V40 Identifier:DL85_V40 Purpose:Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S=V_R V_A=N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL85_I1_SETUP ! I (V_R:=V_R+1) START T200 ?RR +DL84_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L850	IL_NC(V_R, V_S) RR_UR(V_R)	(P) (F) (F) I	P=1 (N_S=V_R, V_A=N_R<V_S) F=1 Test not run
#				
#				
#				
Extended Comments:Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V41 Identifier:DL85_V41 Purpose:Verify that the IUT sends a RR/F=0 or I in response to a I/P=0 (N_S=V_R V_A=N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.4) after sending RR/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL71_PREAMBLE +DL85_I1_SETUP ! I (V_R:=V_R+1) START T200 ?RR +DL84_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L850	IO_NC(V_R, V_S) RR_UR(V_R)	(P) (F) (F) I	s7.1 Test not run
#				
Extended Comments:Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V42				
Identifier: DL85_V42				
Purpose: Verify that the IUT sends a RR/F=1 in response to a I/P=1 (N_S<V_R V_A=N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL85_II_SETUP (N_S::=V_R+1) ! I START T200 ?RR +DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L850	I1_NC (N_S, V_S)	(P)	P=1 (N_S<V_R, V_A=N_R<V_S) F=1
# #				
#			(F)	Test not run
Extended Comments: 0.921 Ref. 5.8.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_V43				
Identifier: DL85_V43				
Purpose: Verify that the IUT sends nothing in response to a I/P=0 (N_S<V_R V_A=N_R<V_S) received in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL85_II_SETUP (N_S::=V_R+1) ! I START T200 ?TIMEOUT T200 START T200 ?RR +DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L851 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR	L850 L851	I0_NC (N_S, V_S)	(P)	P=0 (N_S<V_R, V_A=N_R<V_S) Allow a poll due to expiry of T200
# # #				
#			(I)	
#			(I)	
#			(F)	Fail a poll before expiry of T200
[NOT (CAN_SEND_A_IFRAME)]			(F)	
#			I	Test not run

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Extended Comments:Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V44 Identifier:DL85_V44 Purpose:Verify that the IUT sends a SABME/P=1 after timeout of T200 N200 times in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (RC::=1)				
#				
#				
[RC<N200] START Td ?RR(RC::=RC+1) GOTO L850 +DL85_UNEXPECTED GOTO L851 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [RC=N200] START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L852 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L850 L851	RR1_UC(V_R)		Timeout once in preamble P=1
			(F)	
			(F)	
	L852	SABME1_UC	(P)	P=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.7				

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Extended Comments:Q.921 Ref. 5.6.7

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_V45 Identifier:DL85_V45 Purpose:Verify that the IUT sends a RR/P=1 or retransmit I/P=1 after a timeout T200(RC<N200,V_A<V_S) in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL85_I1_SETUP START Td ?RR +DL85_VERIFICATION +DL_POSTAMBLE	L850	RR1_UC(V_R)	(P)	P=1
?I		II_UC(V_S, V_R)	(P)	P=1
+DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	
#			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S85/DL85_V46				
Identifier:DL85_V46				
Purpose:Verify that the IUT sends a RR/P=1 after a timeout T200 (RC<N200,V.A=V.S) in Timer Recovery state (8.5). The IUT is expected to be in Timer Recovery state (8.5) after sending RR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[T203_IMPLEMENTED] +DL85_PREAMBLE START Td ?RR +DL85_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (T203_IMPLEMENTED)]	L850	RR1_UC(V_R)	(P)	P=1
#				Test not run
Extended Comments:Q.921 Ref. 5.6.7 Timeout with V(A)=V(S) can be achieved only when T203 is implemented.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S85/DL85_V47				
Identifier:DL85_V47				
Purpose:Verify that the IUT sends a RNR/P=1 when it sets OWN_BUSY in Timer Recovery state (8.5). The IUT is expected to be in state Timer Recovery state (8.7) after sending RNR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL85_PREAMBLE <IUT! RNR> # START Topr ?RNR +DL87_VERIFICATION +DL_POSTAMBLE ?RNR +DL87_VERIFICATION +DL_POSTAMBLE ?RR GOTO L850 +DL85_UNEXPECTED GOTO L850 ?SABME +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT (CAN_TEST_OWN_BUSY)] #	L850	RNR1_UC(V_R) RNR0_UR(V_R) RR1_UC(V_R) SABME1_UC	(P) (P) (I) (F) (F) I	set own busy P=1 P=0 P=1 P=1 Test not run
Extended Comments:Q.921 Ref. 5.6.6				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_N01 Identifier:DL85_N01 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_R:=((V_S+K)+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L851 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	RR1_NC(N_R) SABME1_UC RR1_UR(V_R) SABME1_UC	 (P) (P) (P)	 P=1 P=1 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_N02 Identifier:DL85_N02 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_R:=((V_S+K)+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	RR0_NC(N_R) SABME1_UC	 (P) (F) (F)	 P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/SL85_N03				
Identifier: DL85_N03				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_R := ((V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L850	RR1_NR(N_R) SABME_UC	 (P)	F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/SL85_N04				
Identifier: DL85_N04				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_R := ((V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L850	RR0_NR(N_R) SABME_UC	 (P)	F=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S85/DL85_N05 Identifier:DL85_N05 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_R:=((V_S+K)+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L851 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	REJ1_NC(N_R) SABME1_UC RR1_UR(V_R) SABME1_UC	 (P) (P)	P=1 P=1 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S85/DL85_N06 Identifier:DL85_N06 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_R:=((V_S+K)+1)) !REJ START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	REJ0_NC(N_R) SABME1_UC	 (P) (P)	P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S85/DL85_N07 Identifier:DL85_N07 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL85_PREAMBLE (N_R::=((V_S+K)+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L850	REJL_NR(N_R) SABME1_UC	 (P) (F) (F)	F=1 P=1	
Extended Comments:Q.921 Ref. 5.8.2					

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_N08 Identifier:DL85_N08 Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_R:=((V_S+K)+1)) !REJ START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L850	REJO_NR(N_R) SABME_UC	(P) (F) (F)	F=0 P=1

Extended Comments:Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_N09 Identifier: DL85_N09 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R = V.S+k+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_R := ((V.S+k)+1)) !RNR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L851 ?OTHERWISE +DL_POSTAMBLE +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE +DL_POSTAMBLE +DL_POSTAMBLE +DL_POSTAMBLE	L850	RNR1_NC (N_R)		P=1
		SABME1_UC	(P)	P=1
		RR1_UR (V_R)		P=1
	L851	SABME1_UC	(P)	P=1
			(F)	
			(F)	
			(F)	
			(F)	

Extended Comments: Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_N11				
Identifier: DL85_N11				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_R := ((V_S+K)+1)) !RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L850	RNR1_NR(N_R) SABME1_UC	(P) (P)	F=1 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_N12				
Identifier: DL85_N12				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_R := ((V_S+K)+1)) !RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L850	RNR0_NR(N_R) SABME1_UC	(P) (P)	F=0 P=1
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S85/DL85_N13				
Identifier: DL85_N13				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S=V_R, N_R = V_S+K+1) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_R := ((V_S+K)+1)) ! I (V_R := V_R+1)		I1_NC(V_R, N_R)		P=1
#				
START T200				
?SABME +DL51_VERIFICATION +DL_POSTAMBLE	L850	SABME1_UC	(P)	P=1
?RR				
START Td				
?SABME +DL51_VERIFICATION +DL_POSTAMBLE	L851	RR1_UR(V_R)	(P)	F=1
+DL85_UNEXPECTED GOTO L851		SABME1_UC	(P)	P=1
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT Td				
+DL_POSTAMBLE				
+DL85_UNEXPECTED				
GOTO L850				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/S85/DL85_N15 Identifier:DL85_N15 Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S<>V_R, N_R = V_S+K+1) received in Timer Recovery state (8. 5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE (N_S:=V_R+1,N_R:=(V_S+K)+1)) ! I		I1_NC(N_S, N_R)		P=1
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RR	L850	SABME1_UC	(P)	P=1
START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L851 ?OTHERWISE ?TIMEOUT Td +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L851	RR1_UR(V_R) SABME1_UC	(P) (P)	P=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				
			(F)	
			(F)	
			(F)	
			(F)	

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S85/DL85_N17				
Identifier:DL85_N17				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a SABME frame, with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !SABME_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	SABME_TLL_NC 	(P)	P=1
			(F)	(F)
			(F)	(F)
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S85/DI85_N18				
Identifier:DI85_N18				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC frame, with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !DISC_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	DISC_TL1_NC SABME1_UC	(P) (F) (F)	P=1

Extended Comments:Q.921 Ref. 5.7.1

Test Case Dynamic Behaviour			
Reference: LAPD/MFO/S85/S85_DL85_N20			
Identifier: DL85_N20			
Purpose: Verify that the IUT sends a SABME/P=1 in response to a DM frame, with excess length, received in Timer Recovery state (8.5). the IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.			
Default:			
Behaviour Description	Label	Constraints Reference	V Comments
+DL85_PREAMBLE !DM_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	DM_TL_NR SABME_UC	 (P) (F) (F)
Extended Comments: Q.921 Ref. 5.7.1			

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_N21				
Identifier:DL85_N21				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR frame, with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !FRMR_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	FRMR_TL1_NR SABME1_UC	(P)	P=1
Extended Comments:0.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_N22				
Identifier:DL85_N22				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR frame, with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !RR_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	RR_TL1_NC (V_S) SABME1_UC	(P)	P=1
Extended Comments:0.921 Ref. 5.7.1				

Test Case Dynamic Behaviour			
Reference: LAPD/NFO/S85/S85_N23			
Identifier: DL85_N23			
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR frame, with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.			
Default:			
Behaviour Description	Label	Constraints Reference	V
+DL85_PREAMBLE !RNR_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	RNR_TL1_NC (V_S) SABME1_UC	 (P) (F) (F)
Extended Comments: Q.921 Ref. 5.7.1			

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S85/DL85_N24				
Identifier: DL85_N24				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ frame, with excess length, received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
# +DL85_PREAMBLE !REJ_TL START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	REJ_TL1_NC (V_S) SABME1_UC	(P)	P=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S85/DL85_N25					
Identifier:DL85_N25					
Purpose:Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Timer Recovery state (8.5). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL85_PREAMBLE !I_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	I_TL1_NC(V_R, V_S) SABME1_UC	(P)	P=1	
Extended Comments:Q.921 Ref. 5.7.1					

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S85/DL85_N26					
Identifier:DL85_N26					
Purpose:Verify that the IUT sends a SABME/P=1 in response to a undefined frame received in Timer Recovery state (8.5). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL85_PREAMBLE !UNDEF START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	UNDEF1_NC SABME1_UC	(P)	P=1	
Extended Comments:Q.921 Ref. 5.7.1					

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S85/DL85_N27				
Identifier:DL85_N27				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a frame with error (I field not permitted) received in Timer Recovery state (8.5). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL85_PREAMBLE !SABME_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL85_UNEXPECTED GOTO L850 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L850	SABME_TL1_NC SABME1_UC	(P) (F) (F)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V01				
Identifier:DL86_V01				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_SABME] +DL86_PREAMBLE <IUT!SABME> # # # # START Topr (T200value*N200) ?SABME +DL50_VERIFICATION +DL_POSTAMBLE ?RNR GOTO L860 +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT (CAN_SEND_SABME)] #	L860	SABME1_UC RNR1_UC(V_R)	(P) (P) (F) (F) I	Initiate Link Establishment Request P=1 P=1 Test not run
Extended Comments:Q.921 Ref. 5.5.1.2 In order to successfully execute this test, the test operator must be able to have the IUT send a SABME in less than T200*N200 seconds.				

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S86/DL86_V03				
Identifier:DL86_V03				
Purpose:Verify that the IUT does not send additional I Frames in Timer Recovery state (8.6) even if V_S < V_A+K. The IUT is expected to remain in Timer Recovery state (8.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL86_PREAMBLE [I_CNT < K] <IUT! I>				V_A=0 Init one DL Data Request
#				
#				
START Topr ?TIMEOUT Topr	L860		(P)	
#				
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE [I_CNT >= K]			(F)	
#				Window closed
+DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			I	Test not run
#				
Extended Comments:Q.921 Ref. 5.6.1				

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S86/DL86_V04				
Identifier:DL86_V04				
Purpose:Verify that the IUT does not send additional I Frames in Timer Recovery state (8.6) when V_S = V_A+K (window is closed). The IUT is expected to remain in Timer Recovery state (8.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL86_WC_SETUP				set window closed and timer req
#				
#				
START Td ?TIMEOUT Td	L860		(P)	IUT sends nothing
#				
+DL86_VERIFICATION +DL_POSTAMBLE ?RNR		RNR1_UC(V_R)	(P)	P=1, IUT polls w/ RNR/1
#				
#				
+DL86_VERIFICATION +DL_POSTAMBLE ?I		I0_UC(V_S, V_R)	(F)	IUT sends queued I - Fail
#				
#				
+DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V08 Identifier:DL86_V08 Purpose:Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer Recovery state (8.6). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0) # +DL70_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L860	SABME1_NC UA1_UR	P=1 (P) (F) (F)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V10 Identifier:DL86_V10 Purpose:Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Timer Recovery state (8.6). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0) # +DL70_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L860	SABME0_NC UA0_UR	 (P) (F) (F)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V12				
Identifier:DL86_V12				
Purpose:Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.6). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !DISC START T200 ?UA #	L860	DISC1_NC UA1_UR	(P)	P=1 F=1
+DL40_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V13				
Identifier:DL86_V13				
Purpose:Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.6). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !DISC START T200 ?UA #	L860	DISC0_NC UA0_UR	(P)	P=0 F=0
+DL40_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.5.3.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V14 Identifier:DL86_V14 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/P=1 received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !DM START T200 ?SABME #	L860	DM1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V15 Identifier:DL86_V15 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/F=0 received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !DM START T200 ?SABME #	L860	DM0_NR SABME1_UC	(P)	F=0 P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V17				
Identifier:DL86_V17				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !FRMR_RR START T200 ?SABME	L860	FRMR_RRL_NR		F=1
#		SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V20				
Identifier:DL86_V20				
Purpose:Verify that the IUT sends a RNR/F=1 in response to a RR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !RR	L860	RR1_NC(V_S)		P=1 V_A<=N_R<=V_S
START T200 ?RNR		RNR1_UR(V_R)	(P)	F=1
+DL82_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V21 Identifier:DL86_V21 Purpose:Verify that the IUT does not send a response to a RR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !RR		RR0_NC(V_S)		P=0 V_A<=N_R<=V_S
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L860			
#	L861	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR			(I)	
			(I)	
		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
+DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V22 Identifier:DL86_V22 Purpose:Verify that the IUT does not send a response to a RR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Multiple Frame Established state (7.2). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !RR		RR1_NR(V_S)		F=1 V_A<=N_R<=V_S
#				
START Td ?TIMEOUT Td	L860		(P)	
#				
+DL72_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V23				
Identifier: DL86_V23				
Purpose: Verify that the IUT does not send a response to a RR/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !RR		RR0_NR(V_S)		F=0 V_A<=N_R<=V_S
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L860			
# # # +DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR	L861	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
# # # +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE			(I)	
# # #		RNR1_UC(V_R)	(I)	Fail a poll before expiry of T200
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V24				
Identifier: DL86_V24				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a REJ/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !REJ		REJ1_NC(V_S)		P=1 V_A<=N_R<=V_S
# START T200 ?RNR	L860	RNR1_UR(V_R)	(P)	F=1
# +DL82_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V25				
Identifier: DL86_V25				
Purpose: Verify that the IUT does not send a response to a REJ/P=0 (V_A<N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !REJ		REJ0_NC(V_S)		P=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L860			
#				
#	L861	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR				
#			(I)	
#			(I)	
#		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE				
#			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V26				
Identifier: DL86_V26				
Purpose: Verify that the IUT does not send a response to a REJ/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Multiple Frame Established state (7.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !REJ		REJ1_NR(V_S)		P=1 V_A<=N_R<=V_S
#				
START Td ?TIMEOUT Td	L860			
#			(F)	
+DL72_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE				
#			(F)	
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V27				
Identifier:DL86_V27				
Purpose:Verify that the IUT does not send a response to a REJ/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !REJ		REJ0_NR(V_S)		F=0 V_A<=N_R<=V_S
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L860			
#	L861	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
#				
+DL82_VERIFICATION +DL_POSTAMBLE +DL82_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR				
#			(I)	
#			(I)	
+DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#			(F)	
Extended Comments:Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V28				
Identifier:DL86_V28				
Purpose:Verify that the IUT sends a RNR/F=1 in response to a RNR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.6) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !RNR		RNR1_NC(V_S)		P=1 V_A<=N_R<=V_S
# START T200 ?RNR	L860	RNR1_UR(V_R)	(P)	F=1
#				
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V29				
Identifier: DL86_V29				
Purpose: Verify that the IUT does not send a response to a RNR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !RNR		RNR0_NC(V_S)		P=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L860			
#				
#	L861	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR				
#			(I)	
#			(I)	
#		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V30				
Identifier: DL86_V30				
Purpose: Verify that the IUT does not send a response to a RNR/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Multiple Frame Established state (7.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !RNR		RNR1_NR(V_S)		P=1 V_A<=N_R<=V_S
#				
START T200 ?TIMEOUT T200 START Td ?RNR +DL86_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?RNR +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE	L860	RNR1_UC(V_R)	(P)	P=1
			(I)	
			(I)	
		RNR1_UC(V_R)	(I)	P=1
			(F)	
Extended Comments: Q.921 Ref. 5.6.5 At the instant that the IUT receives RNR/P=1, it starts its T200 timer. In order to not incorrectly fail the IUT when it sends a poll upon expiry of its T200, a poll received prior to the TIMEOUT of T200 is assigned an INCONCLUSIVE verdict; a poll received after expiry of T200 is assigned a conditional PASS verdict with a verification of the appropriate state.				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V31				
Identifier: DL86_V31				
Purpose: Verify that the IUT does not send a response to a RNR/F=0 (V_A=N, R<V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !RNR		RNR0_NR(V_S)		F=0 V_A<N_R<V_S
# START T200 (T200value-DELTA)	L860			
# ?TIMEOUT T200				
# START T200	L861	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
# ?RNR				
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
?RNR		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V32				
Identifier: DL86_V32				
Purpose: Verify that the IUT sends a RNR/F=1 in response to an I/P=1 received in Timer Recovery state (8.6). The IUT is expected to be in TIMER RECOVERY state (8.6) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !I		!I_NC(V_R, V_S)		P=1 N_S=V_R N_R=V_S
# START T200 ?RNR	L860	RNR1_UR(V_R)	(P)	F=1
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V33 Identifier: DL86_V33 Purpose: Verify that the IUT does not send a response to an I/P=0 received in Timer Recovery state (8.6). The IUT is expected to be in TIMER RECOVERY state (8.6). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE ! I		I0_NC(V_R, V_S)		P=0 N_S=V_R N_R=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L860			
#				
#	L861	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR				
#			(I)	
#			(I)	
+DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#			(F)	
Extended Comments: Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V34 Identifier: DL86_V34 Purpose: Verify that the IUT sends a RNR/P=1 in response to an I/P=1 (N_S<V_R, N_RV_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.6) after sending RNR/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_S::=V_R+1) ! I				
#				
START T200 ?RNR		I1_NC(N_S, V_S)		P=1
#				
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L860	RNR1_OR(V_R)	(P)	P=1
#				
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V35				
Identifier: DL86_V35				
Purpose: Verify that the IUT does not send a response to an I/P=0 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_S:=V_R+1) ! I		I0_NC(N_S, V_S)		P=0
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L860			
#	L861	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR				
#				
#				
#				
+DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#				
#				
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V36				
Identifier: DL86_V36				
Purpose: Verify that the IUT sends a RNR/F=1 in response to an I/P=1 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.6) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL86_2I_SETUP ! I				
#				
#				
START T200 ?RNR +DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]	L860	IL_NC(V_R, V_S) RNR1_UC(V_R)	(P)	P=1 (N_S=V_R, V_A<N_R<V_S) F=1
#				
Extended Comments: Q.921 Ref. 5.6.2.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V37				
Identifier:DL86_V37				
Purpose:Verify that the IUT does not send a response to an I/P=0 (N_S<V_R, V_A<N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to remain in Timer Recovery state (8.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL86_2I_SETUP ! I		I0_NC(V_R, V_S)		P=0 (N_S=V_R, V_A<N_R<V_S)
#				
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L860			
#				
#				
#				
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR	L861	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
#				
#				
		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
+DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V38				
Identifier:DL86_V38				
Purpose:Verify that the IUT sends a RNR/F=1 in response to an I/P=1 (N_S<V_R, V_A<N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to remain in Timer Recovery state (8.6) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL86_2I_SETUP (N_S:=V_R+1) ! I		I1_NC(N_S, V_S)		P=1 (N_S<V_R, V_A<N_R<V_S)
#				
#				
START T200 ?RNR	L860	RNR1_UR(V_R)	(P)	F=1
#				
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
#			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.8.1				

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Extended Comments: Q.921 Ref. 5.8.1.1

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V39 Identifier: DL86_V39 Purpose: Verify that the IUT does not send a response to an I/P=0 (N_S<>V_R, V_A<N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to remain in Timer Recovery state (8.6). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL86_2I_SETUP (N_S:=V_R+1) !I # # # (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L860 L861	I0_NC(N_S, V_S) RNR1_UC(V_R)	(P)	P=0 (N_S<>V_R, V_A<N_R<V_S) Allow a poll due to expiry of T200
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR			(I) (I) (F)	
+DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)] #			(F) I	Fail a poll before expiry of T200 Test not run

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Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V40 Identifier: DL86_V40 Purpose: Verify that the IUT sends a RNR/F=1 in response to an I/P=1 (N_S=V_R, V_A=N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to remain in Timer Recovery state (8.6) after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL86_1I_SETUP !I # # START T200 ?RNR +DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)] #	L860	I1_NC(V_R, V_S) RNR1_UR(V_R)	(P) (F) (F) I	P=1 (N_S=V_R, V_A=N_R<V_S) F=1 Test not run

Extended Comments: Q.921 Ref. 5.6.2.1

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V41				
Identifier: DL86_V41				
Purpose: Verify that the IUT does not send a response to an I/P=0 (N_S=V_R, V_A=N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to remain in Timer Recovery state (8.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL86_LI_SETUP ! I		I0_NC(V_R, V_S)		P=0 (N_S=V_R, V_A=N_R< V_S)
#				
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L860			Allow a poll due to expiry of T200
#				
#				
#				
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR	L861	RNR1_UC(V_R)	(P)	
			(I)	
			(I)	
		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
			(F)	
[NOT (CAN_SEND_A_IFRAME)]			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V42				
Identifier: DL86_V42				
Purpose: Verify that the IUT sends a RNR/F=1 in response to an I/P=1 (N_S<V_R, V_A=N_R<V_S) received in Timer Recovery state (8.6). The IUT is expected to remain in Timer Recovery state (8.6) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL86_LI_SETUP (N_S:=V_R+1) ! I		I1_NC(N_S, V_S)		P=1 (N_S<V_R, V_A=N_R <V_S)
#				
#				
START T200 ?RNR	L860	RNR1_UR(V_R)	(P)	F=1
			(F)	
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]			(F)	
#			I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

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Extended Comments:Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_V43				
Identifier:DL86_V43				
Purpose:Verify that the IUT does not send a response to a I/P=0 (N_S<>V_R, V_A=N_R<V_S) received in Timer Recovery state (8.6)				
. The IUT is expected to be in Timer Recovery state (8.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL86_1I_SETUP (N_S:=V_R+1) ! I		I0_NC(N_S, V_S)		P=0 (N_S<>V_R, V_A=N_R<V_S)
START T200 START T200-DElTA)				
?TIMEOUT T200	L860			
START T200				
?RNR	L861	RNR1_UC(V_R)	(F)	Allow a poll due to expiry of T200
+DL86_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED				
GOTO L861			(I)	
?OTHERWISE +DL_POSTAMBLE				
?TIMEOUT T200			(I)	
+DL_POSTAMBLE				
?RNR		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE +DL86_UNEXPECTED				
GOTO L860				
?OTHERWISE +DL_POSTAMBLE			(F)	
[NOT(CAN_SEND_A_IFRAME)]				
			I	Test not run

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Test Case Dynamic Behaviour

Reference: LAPD/MFO/S86/DL86_V44

Identifier: DL86_V44

Purpose: Verify that the IUT sends a SABME/P=1 after timeout of T200 N200 times in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.

Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (RC:=1) # #	L860			Timeout once in preamble
[RC<N200] START Td ?RNR(RC::=RC+1) GOTO L860 +DL86_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L861	RNR1_UC(V_R)	(F)	P=1
{RC=N200} START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L862 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L862	SABMEL_UC	(P)	P=1
			(F)	
			(F)	
			(P)	
			(F)	
			(F)	

Extended Comments:Q.921 Ref. 5.6.7

LAPD Conformance Testing

[illegible]

Extended Comments:Q.921 Ref. 5.6.7

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_V48				
Identifier: DL86_V48				
Purpose: Verify that the IUT sends a RR/F=0 in response to a CLEAR_OWN_BUSY in Timer Recovery state (8.6). The IUT is expected to be in Timer Recovery state (8.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL86_PREAMBLE <IUT: CLEAR_OWN_BUSY>				Clear Own Busy
#				
START Topr ?RR +DL84_VERIFICATION +DL_POSTAMBLE	L860	RR0_UC(V_R)	(P)	F=0
?RR +DL84_VERIFICATION +DL_POSTAMBLE		RR1_UC(V_R)	(P)	P=1
?RR +DL84_VERIFICATION +DL_POSTAMBLE		RR0_UC(V_R)	(P)	P=0
?RNR GOTO L860 ?SABME +DL_POSTAMBLE		RNR1_UC(V_R)		P=1
+DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr		SABME1_UC	(I)	P=1
+DL_POSTAMBLE [NOT (CAN_TEST_OWN_BUSY)]			(F)	
#			(I)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.6				

4 Abstract Test Suite - Part I

1885

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_N01				
Identifier: DL86_N01				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R := ((V_S+K)+1)) !RR START T200 ?SABME		RR1_NC(N_R)		P=1
#	L860	SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME		RNR1_UC(V_R)		P=1
#	L862	SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L862 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.2				

4 Abstract Test Suite - Part I

1886

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N02 Identifier:DL86_N02 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R::=((V_S+K)+1)) :RR START T200 ?SABME		RR0_NC(N_R)		P=0
#	L860	SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N03 Identifier:DL86_N03 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R::=((V_S+K)+1)) :RR START T3 ?SABME		RR1_NR(N_R)		P=1
#	L860	SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T3 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N04				
Identifier:DL86_N04				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R::=((V_S+K)+1)) !RR START Td ?SABME	L860	RR0_NR(N_R)	(P)	F=0 P=1
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N05				
Identifier:DL86_N05				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R::=((V_S+K)+1)) !REJ START T200 ?SABME	L860	REJ1_NC(N_R)	(P)	P=1
#				
+DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME	L861	SABME1_UC	(P)	P=1
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE		RNR1_UR(V_R)	(F)	F=1
		SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N06				
Identifier:DL86_N06				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R:=((V_S+K)+1)) !REJ START T200 ?SABME		REJ0_NC(N_R)		P=0
#	L860	SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				(F)
				(F)
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N07				
Identifier:DL86_N07				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R:=((V_S+K)+1)) !REJ START Td ?SABME		REJ1_NR(N_R)		F=1
#	L860	SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE				(F)
				(F)
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N08				
Identifier:DL86_N08				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R:=((V_S+K)+1)) !RNR START Td ?SABME	L860	REJ0_NR(N_R)	(P)	F=0 P=1
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F)	
			(F)	

Extended Comments:Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N09				
Identifier:DL86_N09				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R:=((V_S+K)+1)) !RNR START T200 ?SABME	L860	RNR1_NC(N_R)	(P)	P=1
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE			(F)	
			(F)	
+DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	

Extended Comments:Q.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N10				
Identifier:DL86_N10				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R := ((V_S+K)+1)) !RNR START T200 ?SABME	L860	RNR0_NC(N_R)	(P)	P=0 P=1
# +DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE		SABME1_UC	(P)	
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N11				
Identifier:DL86_N11				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R := ((V_S+K)+1)) !RNR START Td ?SABME	L860	RNR1_NR(N_R)	(P)	F=1 P=1
# +DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE		SABME1_UC	(P)	
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N12				
Identifier:DL86_N12				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R := ((V_S+K)+1)) !RNR START Td ?SABME	L860	RNR0_NR(N_R) SABME_UC	 (F) (F)	 F=0 P=1
#				
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N13				
Identifier:DL86_N13				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N,S=V_R, N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_R := ((V_S+K)+1)) !! #		I1_NC (V_R, N_R)		P=1
START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE	L860	SABME1_UC	(P)	P=1
?RNR START T3 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L861		RNR1_UR (V_R)		F=1
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T3 +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860	L861	SABME1_UC	(P)	P=1
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
			(F)	
			(F)	

Extended Comments:Q.921 Ref. 5.7.1

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/S86/DL86_N15				
Identifier: DL86_N15				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S<V_R, N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> +DL86_PREAMBLE (N_S:=V_R+1, N_R:=((V_S+K)+1)) ;I # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L861 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE </pre>	L860 L861	I1_NC(N_S, N_R) SABME1_UC RNR1_UR(V_R) SABME1_UC	(P) (P) (P) (P)	P=1 P=1 P=1 P=1
Extended Comments:				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_N16				
Identifier: DL86_N16				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S<>V_R, N_R = V_S+K+1) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE (N_S::=V_R+1, N_R::=((V_S+K)+1)) ! I		I0_NC(N_S, N_R)		P=0
# START T200 ?SABME				
# +DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L860	SABME1_UC	(P) (F) (F)	P=1 (F) (F)
Extended Comments:				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S86/DL86_N17				
Identifier: DL86_N17				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a SABME frame, with excess length received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !SABME_TL START T200 ?SABME		SABME_TL1_NC		
# +DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L860	SABME1_UC	(P) (F) (F)	P=1 (F) (F)
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N18				
Identifier:DL86_N18				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DISC frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !DISC_TL START T200 ?SABME #	L860	DISC_TLL_NC SABMEL_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N19				
Identifier:DL86_N19				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a UA frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !UA_TL START T200 ?SABME #	L860	UA_TLL_NR SABMEL_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N20				
Identifier:DL86_N20				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !DM_TL START T200 ?SABME #	L860	DM_TL1_NR SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N21				
Identifier:DL86_N21				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !FRMR_TL START T200 ?SABME #	L860	FRMR_TL1_NR SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N22				
Identifier:DL86_N22				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !RR_TL		RR_TL1_NC (V_S)		
#				
START T200 ?SABME	L860	SABME1_UC	(P)	P=1
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N23				
Identifier:DL86_N23				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !RNR_TL		RNR_TL1_NC (V_S)		
#				
START T200 ?SABME	L860	SABME1_UC	(P)	P=1
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N24				
Identifier:DL86_N24				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ frame, with excess length, received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !I_TL # START T200 ?SABME	L860	REJ_TL1_NC (V_S)	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE		SABME1_UC	(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S86/DL86_N25				
Identifier:DL86_N25				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !I_TL # START T200 ?SABME	L860	I_TL1_NC(V_R, V_S)	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE		SABME1_UC	(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference: LAPD/WFO/S86/DL86_N26				
Identifier: DL86_N26				
Purpose: Verify that the IUT sends a SABME/P=1 in response to an undefined frame received in Timer Recovery state (8.6). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL86_PREAMBLE !UNDEF START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L860	UNDEF1_NC SABME1_UC	 (P) (F) (F)	 P=1
#				
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S56/DL86_N27					
Identifier:DL86_N27					
Purpose:Verify that the IUT sends a SABME/P=1 in response to a frame in error (I field not permitted) in Timer Recovery state (8.6) . The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
#	Behaviour Description	Label	Constraints Reference	V	Comments
	+DL86_PREAMBLE !SABME_TL START T200 ?SABME		SABME_TL1_NC		
	+DL51_VERIFICATION +DL_POSTAMBLE +DL86_UNEXPECTED GOTO L860 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L860	SABME1_UC	(P)	P=1
				(F)	
				(F)	

Extended Comments:0.921. Ref. 5.7.1

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V01				
Identifier:DL87_V01				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DL_EST_REQUEST received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.0) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_SABME] +DL87_PREAMBLE <IUT:SABME>				Initiate Link Establishment Request
#				
#				
#				
START Topr (T200value*N200) ?SABME +DL50_VERIFICATION +DL_POSTAMBLE	L870	SABME1_UC	(P)	P=1
?RNR GOTO L870 +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_SEND_SABME)]		RNR1_UC(V_R)	(P)	P=1
#			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.5.1.2 In order to successfully execute this test, the test operator must be able to have the IUT send a SABME in less than T200*N200 seconds.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V03				
Identifier:DL87_V03				
Purpose:Verify that the IUT does not send additional I frames in Timer Recovery state (8.7) even if V_S < V_A+K. The IUT is expected to remain in Timer Recovery state (8.7).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL87_PREAMBLE {I_CNT < K} <IUT:I>				V_A=0 Init one DL Data Request
#				
#				
START Topr ?TIMEOUT Topr +DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE {I_CNT >= K}	L870		(P)	
#			(F)	
+DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(I)	Window closed
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V04				
Identifier:DL87_V04				
Purpose:Verify that the IUT does not send additional I frames in Timer Recovery state (8.7) when V_S = V_A+K (window is closed). The IUT is expected to remain in Timer Recovery state (8.7).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL87_WC_SETUP				set window closed and timer req
#				
#				
START Td ?TIMEOUT Td	L870		(P)	IUT sends nothing
+DL87_VERIFICATION +DL_POSTAMBLE				
?RNR		RNR1_UC(V_R)	(P)	P=1, IUT polls w/ RNR/1
#				
#				
+DL87_VERIFICATION +DL_POSTAMBLE		I0_UC(V_S, V_R)	(F)	IUT sends queued I - Fail
?I				
#				
#				
+DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870				
?OTHERWISE +DL_POSTAMBLE				
[NOT (CAN_SEND_IFRAMES)]			(F)	I
#				Test not run
Extended Comments:Q.921 Ref. 5.6.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V08				
Identifier:DL87_V08				
Purpose:Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Timer Recovery state (8.7). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !SABME START T200		SABME1_NC		P=1
?UA (V_S:=0,V_R:=0,V_A:=0)	L870	UA1_UR	(P)	F=1
#				
+DL70_VERIFICATION +DL_POSTAMBLE				
+DL87_UNEXPECTED				
GOTO L870				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200			(F)	
+DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V10 Identifier:DL87_V10 Purpose:Verify that the IUT sends a UA/F=0 in response to a SABME/P=0 received in Timer Recovery state (8.7). The IUT is expected to be in Multiple Frame Established state (7.0) after sending UA/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !SABME START T200 ?UA (V_S:=0,V_R:=0,V_A:=0) # +DL70_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L870	SABME0_NC UA0_UR	(P) (F) (F)	P=0 F=0
Extended Comments:Q.921 Ref. 5.5.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V12 Identifier:DL87_V12 Purpose:Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Timer Recovery state (8.7). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !DISC START T200 ?UA # +DL40_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L870	DISC1_NC UA1_UR	(P) (F) (F)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V13				
Identifier:DL87_V13				
Purpose:Verify that the IUT sends a UA/F=0 in response to a DISC/P=0 received in Timer Recovery state (8.7). The IUT is expected to be in TEI Assigned state (4.0) after sending UA/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !DISC START T200 ?UA	L870	DISC0_NC		P=0
#		UA0_UR	(P)	F=0
+DL40_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	(F)
			(F)	(F)
Extended Comments:Q.921 Ref. 5.5.3.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V14				
Identifier:DL87_V14				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/F=1 received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !DM START T200 ?SABME	L870	DM1_NR		F=1
#		SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	(F)
			(F)	(F)
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V15 Identifier:DL87_V15 Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/P=0 received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !DM START T200 ?SABME	L870	DM0_NR SABME1_UC	(P)	F=0 P=1
# +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V17 Identifier:DL87_V17 Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !FRMR_RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L870	FRMR_RR1_NR SABME1_UC	(P)	F=1 P=1
Extended Comments:Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V20				
Identifier: DL87_V20				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a RR/P=1 (V_A<N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !RR		RR1_NC(V_S)		P=1 V_A<N_R<V_S
#				
START T200 ?RNR	L870	RNR1_UR(V_R)	(P)	F=1
#				
+DL83_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
#			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V21				
Identifier: DL87_V21				
Purpose: Verify that the IUT does not send a response to a RR/P=0 (V_A<N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !RR		RR0_NC(V_S)		P=0 V_A<N_R<V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L870			
#				
+DL83_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L871	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
?RNR			(I)	
#			(I)	
+DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#				
#			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V22				
Identifier:DL87_V22				
Purpose:Verify that the IUT does not send a response to a RR/F=1 (V_A<N,R<=V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Multiple Frame Established state (7.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !RR		RR1_NR(V_S)		F=1 V_A<N R<=V_S
#			(P)	
START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE	L870			
#			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V23				
Identifier:DL87_V23				
Purpose:Verify that the IUT does not send a response to a RR/F=0 (V_A<N,R<=V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !RR		RR0_NR(V_S)		F=0 V_A<N R<=V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L870			
#			(P)	
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L871	RNR1_UC(V_R)		Allow a poll due to expiry of T200
#			(I)	
?RNR				
#			(I)	
+DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE		RNR1_UC(V_R)		Fail a poll before expiry of T200
#			(F)	
Extended Comments:Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V24				
Identifier: DL87_V24				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a REJ/P=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.3) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !REJ		REJ1_NC(V_S)		P=1 V_A<=N_R<=V_S
#				
START T200				
?RNR	L870	RNR1_UR(V_R)	(P)	F=1
#				
+DL83_VERIFICATION				
+DL_POSTAMBLE				
+DL87_UNEXPECTED				
GOTO L870				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.6.4				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V25				
Identifier: DL87_V25				
Purpose: Verify that the IUT does not send a response to a REJ/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !REJ		REJ0_NC(V_S)		P=0 V_A<=N_R<=V_S
#				
START T200 (T200value-DELTA)				
?TIMEOUT T200	L870			
START T200				
?RNR	L871	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#				
+DL83_VERIFICATION				
+DL_POSTAMBLE				
+DL83_UNEXPECTED				
GOTO L871				
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T200				
+DL_POSTAMBLE				
?RNR		RNR1_UC(V_R)	(I)	Fail a poll before expiry of T200
#				
+DL_POSTAMBLE				
+DL87_UNEXPECTED				
GOTO L870				
?OTHERWISE				
+DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.6.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V26				
Identifier:DL87_V26				
Purpose:Verify that the IUT does not send a response to a REJ/F=1 (V_A<N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Multiple Frame Established state (7.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE :REJ		REJ1_NR(V_S)		F=1 V_A<N_R<V_S
#			(P)	
START Td ?TIMEOUT Td +DL73_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE	L870			
#			(F)	
Extended Comments:Q.921 Ref. 5.6.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V27				
Identifier:DL87_V27				
Purpose:Verify that the IUT does not send a response to a REJ/F=0 (V_A<N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE :REJ		REJ0_NR(V_S)		F=0 V_A<N_R<V_S
#				
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L870			
#			(F)	Allow a poll due to expiry of T200
+DL83_VERIFICATION +DL_POSTAMBLE +DL83_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L871	RNR1_UC(V_R)		
#			(I)	
?RNR			(I)	
+DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#			(F)	
Extended Comments:Q.921 Ref. 5.6.4				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V28				
Identifier: DL87_V28				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a RNR/F=1 (V_A<=N_R<=V_S) received in Timer Recovery state (8.7). The IUT is expected to remain in Timer Recovery state (8.7) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !RNR		RNR1_NC(V_S)		P=1 V_A<=N_R<=V_S
# START T200 ?RNR	L870	RNR1_UR(V_R)	(P)	P=1
+DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V29				
Identifier: DL87_V29				
Purpose: Verify that the IUT does not send a response to a RNR/P=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.7). The IUT is expected to remain in Timer Recovery state (8.7).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !RNR		RNR0_NC(V_S)		P=0 V_A<=N_R<=V_S
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L870			
#	L871	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
#			(I)	
?RNR		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
#			(F)	
+DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE				
Extended Comments: Q.921 Ref. 5.6.5				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S97/DL87_V30					
Identifier:DL87_V30					
Purpose:Verify that the IUT does not send a response to a RNR/F=1 (V_A<=N_R=V_S) received in rimer Recovery state (8.7). The IUT is expected to be in Multiple Frame Established state (7.7).					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL87_PREAMBLE !RNR		RNR1_NR(V_S)		F=1 V_A<=N_ R<=V_S	
START T200 ?TIMEOUT T200 START Td ?RNR +DL87_VERIFICATION +DL_POSTAMBLE ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L870	RNR1_UC(V_R)	(P)	P=1	
?RNR +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE		RNR1_UC(V_R)	(I)	P=1	
			(F)		
Extended Comments:Q.921 Ref. 5.6.5					
At the instant that the IUT receives RNR/F=1, it starts its T200 timer. In order to not incorrectly fail the IUT when it sends a poll upon expiry of its T200, a poll received prior to the TIMEOUT of T200 is assigned an INCONCLUSIVE verdict; a poll received after expiry of T200 is assigned a conditional PASS verdict with a verification of the appropriate state.					

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V31				
Identifier:DL87_V31				
Purpose:Verify that the IUT does not send a response to a RNR/F=0 (V_A<=N_R<=V_S) received in Timer Recovery state (8.7). The IUT is expected to remain in Timer Recovery state (8.7).				
Default:				
	Behaviour Description	Label	Constraints Reference	V
#	+DL87_PREAMBLE !RNR		RNR0_NR(V_S)	
#	START T200 (T200value-DELTA)	L870		
#	?TIMEOUT T200			
#	START T200			
#	?RNR	L871	RNR1_UC(V_R)	(P)
	+DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR			(I)
				(I)
#			RNR1_UC(V_R)	(F)
#				
#	+DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE			
				(F)

Extended Comments:0.921 Ref. 5.6.5

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V32				
Identifier: DL87_V32				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a I/P=1 received in Timer Recovery state (8.7). The IUT is expected to remain in Timer Recovery state (8.7) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE ! I		I1_NC(V_R, V_S)		P=1 N_S=V_R N_R=V_S
# START T200 ?RNR	L870	RNR1_UR(V_R)	(P)	F=1
+DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.6.2.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V33				
Identifier: DL87_V33				
Purpose: Verify that the IUT does not send a response to a I/P=0 received in Timer Recovery state (8.7). The IUT is expected to remain in Timer Recovery state (8.7).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE ! I		I0_NC(V_R, V_S)		P=0 N_S=V_R N_R=V_S
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L870			
+DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L871	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
#			(I)	
#			(I)	
#			(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE		RNR1_UC(V_R)	(F)	
Extended Comments: Q.921 Ref. 5.6.2.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V34				
Identifier:DL87_V34				
Purpose:Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_S::=V_R+1) !I		I1_NC(N_S, V_S)		P=1
# START T200 ?RNR	L870	RNR1_UR(V_R)	(P)	F=1
# +DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V35				
Identifier:DL87_V35				
Purpose:Verify that the IUT does not send a response to a I/P=0 (N_S<>V_R, N_R=V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_S::=V_R+1) !I		I0_NC(N_S, V_S)		P=0
# START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L870 L871	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
# +DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(I)	
# ?RNR		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
# +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.8.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V36				
Identifier: DL87_V36				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S=V_R, V_A<N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL87_2I_SETUP ! I		IL_NC(V_R, V_S)		P=1 (N_S=V_R, V_A<N_R<V_S)
START T200 ?RNR	L870	RNR1_UR(V_R)	(P)	F=1
+DL87_VERIFICATION +DL_POSTAMBLE GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V37				
Identifier: DL87_V37				
Purpose: Verify that the IUT does not send a response to a I/P=0 (N_S=V_R V_A<N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_IFRAMES] +DL70_PREAMBLE +DL87_2I_SETUP ! I		IO_NC(V_R, V_S)		P=0 (N_S=V_R, V_A<N_R<V_S)
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L870			
	L871	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR			(I)	
			(I)	
		RNR1_UC(V_R)	(F)	Fail a poll before expiry of T200
+DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_IFRAMES)]			(F)	
			I	Test not run
Extended Comments: Q.921 Ref. 5.6.2.2				

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S87/DL87_V38					
Identifier:DL87_V38					
Purpose:Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S<V_R, V_A<N_R<V_S) received in Timer Recovery state (8.7) · the IUT is expected to be in Timer Recovery state (8.7) after sending RNR/F=1.					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
# #	{CAN_SEND_IFRAMES} +DL70_PREAMBLE +DL87_2I_SETUP (N_S:=V_R+1) ! I		I1_NC(N_S, V_S)		P=1 (N_S<>V_R, V_A<N_R <V_S)
#	START T200 ?RNR	L870	RNR1 UR(V_R)	(P)	F=1
	+DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
#	[NOT(CAN_SEND_IFRAMES)]			I	Test not run
Extended Comments:iQ.921 Ref. 5.8.1					

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Extended Comments:Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/S87/DL87_V40 Identifier:DL87_V40 Purpose:Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S=V_R, V_A=N_R<V_S) The IUT is expected to remain in Timer Recovery state (8.7). after sending RNR/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL87_I1_SETUP !I		IL_NC (V_R, V_S)		P=1 (N_S=V_R, V_A=N_R<V_S)
START T200 ?RNR +DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]	L870	RNR1_UR (V_R)	(P)	F=1
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.2.1				

Extended Comments:Q.921 Ref. 5.6.2.2

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V42				
Identifier: DL87_V42				
Purpose: Verify that the IUT sends a RNR/F=1 in response to a I/P=1 (N_S<V_R, V_A=N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7) after sending RNR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL87_IL_SETUP (N_S:=V_R+1) ! I		IL_NC(N_S, V_S)		P=1 (N_S<V_R, V_A=N_R <V_S)
START T200 ?RNR	L870	RNR1_UR(V_R)	(P)	F=1
+DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F) (F) I	Test not run
Extended Comments: Q.921 Ref. 5.8.1				

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_V43				
Identifier: DL87_V43				
Purpose: Verify that the IUT does not send a response to a I/P=0 (N_S<V_R, V_A=N_R<V_S) received in Timer Recovery state (8.7). The IUT is expected to remain in Timer Recovery state (8.7).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL87_IL_SETUP (N_S:=V_R+1) ! I		IO_NC(N_S, V_S)		P=0 (N_S<V_R, V_A=N_R <V_S)
START T200 (T200value-DELTA) ?TIMEOUT T200 START T200 ?RNR	L870 L871	RNR1_UC(V_R)	(P)	Allow a poll due to expiry of T200
+DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RNR			(I) (I)	
+DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]			(F)	Fail a poll before expiry of T200
			I	Test not run

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Extended Comments:Q.921 Ref. 5.8.1

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V44				
Identifier:DL87_V44				
Purpose:Verify that the IUT sends a SABME/P=1 after timeout of T200 N200 times in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (RC:=1)				Timeout once in Preamble
#				
#				
[RC<N200] START Td ?RNR(RC:=RC+1) GOTO L870 +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [RC=N200] START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L872 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L870 L871 L872	RNR1_UC(V_R)	(F) (F) (P) (F) (F)	P=1 P=1
Extended Comments:Q.921 Ref. 5.6.7				

Test Case Dynamic Behaviour

Reference:LAPD/MFO/S87/DL87_V45

Identifier:DL87_V45

Purpose:Verify that the IUT sends a RNR/P=1 or retransmit I/P=1 after a timeout T200 (RC<N200,V_A<V_S) in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.7) after sending RNR/P=1.

Default:

Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL87_II_SETUP START Td ?RNR +DL87_VERIFICATION +DL_POSTAMBLE ?I +DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_SEND_A_IFRAME)]	L870	RNR1_UC(V_R) I1_UC(V_S, V_R)	(P) (P) (F) (F) I	P=1 P=1 Test not run
#				
#				
#				
Extended Comments:Q.921 Ref. 5.6.7				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V46				
Identifier:DL87_V46				
Purpose:Verify that the IUT sends a RNR/P=1 in response to a timeout T200 (RC=N200,V=A=V,S) received in Timer Recovery state (8.7). The IUT is expected to remain in Timer Recovery state (8.7) after sending RNR/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[T203_IMPLEMENTED] +DL87_PREAMBLE START Td ?RNR	L870	RNR1_UC(V_R)	(P)	P=1
+DL87_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(T203_IMPLEMENTED)]			(F) (F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.7 Timeout with V(A)=V(S) can be achieved only when T203 is implemented.				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_V48				
Identifier:DL87_V48				
Purpose:Verify that the IUT sends a RR/F=0 in response to a CLEAR_OWN_BUSY in Timer Recovery state (8.7). The IUT is expected to be in Timer Recovery state (8.5).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL87_PREAMBLE <IUT!CLEAR_OWN_BUSY>				
#				
START Topr ?RR +DL85_VERIFICATION +DL_POSTAMBLE ?RR +DL85_VERIFICATION +DL_POSTAMBLE ?RR +DL85_VERIFICATION +DL_POSTAMBLE ?RNR GOTO L870 ?SABME +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_TEST_OWN_BUSY)]	L870	RR0_UR(V_R) RR1_UC(V_R) RR0_UC(V_R) RNR1_UC(V_R) SABME1_UC	(P) (P) (P) (I) (F) (I)	Clear Own Busy F=0 P=1 P=0 P=1
#				
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.6				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N01 Identifier:DL87_N01 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_R:=((V_S+K)+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L870	RR1_NC(N_R) SABME1_UC RNR1_UR(V_R) SABME1_UC	 (P) (P) (F) (F) (F) (F)	 P=1 P=1 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N02 Identifier:DL87_N02 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_R:=((V_S+K)+1)) !RR START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L870	RR0_NC(N_R) SABME1_UC	 (P) (F) (F)	 P=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N03				
Identifier:DL87_N03				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_R:=(V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L870	RR1_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N04				
Identifier:DL87_N04				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_R:=(V_S+K)+1)) !RR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L870	RR0_NR(N_R) SABME1_UC	 (P) (F) (F)	 F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_N05 Identifier: DL87_N05 Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 (N.R = V.S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N.R.:=((V.S+K)+1)) !REJ START T200 ?SABME	L870	REJ1_NC(N_R)		P=1
#		SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME	L871	RNR1_UR(V_R)		P=1
#		SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE +DL_POSTAMBLE +DL_POSTAMBLE			(F)	
			(F)	
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_N06 Identifier: DL87_N06 Purpose: Verify that the IUT sends a SABME/P=1 in response to a REJ/P=0 (N.R = V.S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Waiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N.R.:=((V.S+K)+1)) !REJ START T200 ?SABME	L870	REJ0_NC(N_R)		P=0
#		SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.2				

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S87/DL87_N07					
Identifier:DL87_N07					
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL87_PREAMBLE (N_R::=((V_S+K)+1)) !REJ START Td ?SABME # +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L870	REJ1_NR(N_R) SABME1_UC	(P)	F=1 P=1	
Extended Comments:0.921 Ref. 5.8.2					

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S87/DL87_N08					
Identifier:DL87_N08					
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL87_PREAMBLE (N_R::=((V_S+K)+1)) !REJ START Td ?SABME # +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L870	REJ0_NR(N_R) SABME1_UC	(P)	F=0 P=1	
Extended Comments:0.921 Ref. 5.8.2					

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_N09				
Identifier: DL87_N09				
Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_R::=((V_S+K)+1)) !RNR START T200 ?SABME	L870	RNR1_NC(N_R)		P=1
#		SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME	L871	RNR1_UR(V_R)		F=1
#		SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
			(F)	
			(F)	

Extended Comments: Q.921 Ref. 5.8.2

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_N10 Identifier: DL87_N10 Purpose: Verify that the IUT sends a SABME/P=1 in response to a RNR/P=0 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_R := ((V_S+K)+1)) !RNR START T200 ?SABME	L870	RNR0_NC(N_R)	(P)	P=0
#		SABME1_UC		P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N11 Identifier:DL87_N11 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/F=1 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_R:=((V_S+K)+1)) !RNR START Td ?SABME # +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L870	RNR1_NR(N_R) SABME1_UC	(P) (F) (F)	F=1 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N12 Identifier:DL87_N12 Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/F=0 (N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_R:=((V_S+K)+1)) !RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L870	RNR0_NR(N_R) SABME1_UC	(P) (F) (F)	F=0 P=1
Extended Comments:Q.921 Ref. 5.8.2				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N13				
Identifier:DL87_N13				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S=V_R, N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_R:=((V_S+K)+1)) ! #		I1_NC(V_R, N_R)		P=1
START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE GOTO L871 ?OTHERWISE ?TIMEOUT Td +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L870	SABME1_UC	(P)	P=1
	L871	RNR1_UR(V_R) SABME1_UC	(P)	P=1
			(F)	
			(F)	
			(F)	
			(F)	

extended Comments:O.921 Ref. 5.8.2

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_N14 Identifier: DL87_N14 Purpose: Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S=V_R, N_R = V_S+K+1) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE (N_R := ((V_S+K)+1)) ; I		I_O_NC (V_R, N_R)		P=0
# START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L870	SABME1_UC	(P)	P=1
			(F)	
			(F)	

Extended Comments: Q.921 Ref. 5.8.2

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S87/S87/DL87_N15					
Identifier:DL87_N15					
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=1 (N_S<V_R, N_R = V_S+K+1) received in Timer Recovery state (8. 7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL87_PREAMBLE (N_S:=V_R+1,N_R:=((V_S+K)+1)) ! I		I1_NC(N_S, N_R)		P=1	
# START T200 ?SABME	L870	SABME1_UC	(P)	P=1	
+DL51_VERIFICATION +DL_POSTAMBLE ?RNR START Td ?SABME		RNR1_UR(V_R)		F=1	
# +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L871 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L871	SABME1_UC	(P)	P=1	
			(F)		
			(F)		
			(F)		
			(F)		
Extended Comments:Q.921 Ref. 5.8.2					

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:LAPD/MFO/S87/S87/DL87_N16					
Identifier:DL87_N16					
Purpose:Verify that the IUT sends a SABME/P=1 in response to a I/P=0 (N_S<V_R, N_R = V_S+K+1) received in Timer Recovery state (8. 7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comment	
+DL87_PREAMBLE (N_S:=V_R+1,N_R:=((V_S+K)+1)) ! I		I0_NC(N_S, N_R)		P=0	
# START T200 ?SABME	L870	SABME1_UC	(P)	P=1	
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)		
			(F)		
Extended Comments:Q.921 Ref. 5.8.2					

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_N17 Identifier: DL87_N17 Purpose: Verify that the IUT sends a SABME/P=1 in response to a SABME/P=1, with excess length, received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !SABME_TL START T200 ?SABME #	L870	SABME_TL1_NC SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments: Q.921 Ref. 5.7.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/MFO/S87/DL87_N18 Identifier: DL87_N18 Purpose: Verify that the IUT sends a SABME/P=1 in response to a DISC/P=1 with excess length, received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !DISC_TL START T200 ?SABME #	L870	DISC_TL1_NC SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments: Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N19				
Identifier:DL87_N19				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a UA/P=1 with excess length, received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !UA_TL START T200 ?SABME # +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L870	UA_TL1_NR SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N20				
Identifier:DL87_N20				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a DM/P=1 with excess length, received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !DM_TL START T200 ?SABME # +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L870	DM_TL1_NR SABME1_UC	(P)	P=1
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N21				
Identifier:DL87_N21				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a FRMR/F=1 with excess length, received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !FRMR_TL START T200 ?SABME	L870	FRMR_TL1_NR	(P)	P=1
#		SABME_UC		
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE				
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour							
Reference:LAPD/MFO/S87/DL87_N22							
Identifier:DL87_N22							
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RR/P=1 with excess length, received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.							
Default:							
	Behaviour Description	Label	Constraints Reference	V	Comments		
#	+DL87_PREAMBLE !RR_TL	L870	RR_TL1_NC (V_S)	(P)	P=1		
#	START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE		SABME1_UC			(F)	(F)
Extended Comments:Q.921 Ref. 5.7.1							

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N23				
Identifier:DL87_N23				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a RNR/P=1 with excess length, received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !RNR_TL		RNR_TL1_NC (V_S)		
#				
START T200 ?SABME	L870	SABME1_UC	(P)	P=1
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N24				
Identifier:DL87_N24				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a REJ/P=1 with excess length, received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !REJ_TL		REJ_TL1_NC (V_S)		
#				
START T200 ?SABME	L870	SABME1_UC	(P)	P=1
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N25				
Identifier:DL87_N25				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an I frame with excess length (N201 error) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !I_TL		I_TL1_NC(V_S, V_R)		
#				
START T200 ?SABME	L870	SABME1_UC	(F)	P=1
#				
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/MFO/S87/DL87_N26				
Identifier:DL87_N26				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an undefined command frame received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !UNDEF START T200 ?SABME		UNDEF1_NC		
#	L870	SABME1_UC	(P)	P=1
+DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/WFO/S87/DL87_N27				
Identifier:DL87_N27				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a frame with error (I field not permitted) received in Timer Recovery state (8.7). The IUT is expected to be in Awaiting Establishment state (5.1) after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL87_PREAMBLE !SABME_TL # START T200 ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL87_UNEXPECTED GOTO L870 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L870	SABME_TL1_NC SABME1_UC	(P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS10_N01				
Identifier:DS10_N01				
Purpose:Verify that the IUT ignores an I(P=0) with no information field received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE !I # START T3 ?TIMEOUT T3 +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	IQ_NC_NI(0,0)	(P)	P=0, I-field empty (P) No response rcvd.
Extended Comments:Q.921 Ref. 2.9 I-field in I Frame is empty				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS10_N03				
Identifier:DS10_N03				
Purpose:Verify that the IUT ignores a FRMR received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE !FRMR_UA # # # START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	FRMR_UA1_NR	(P) (F)	F=1, Reject ing UA Frame No response rcvd.
Extended Comments:Q.921 Ref. 2.9 FRMR is rejecting UA frame				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS10_N04				
Identifier:DS10_N04				
Purpose:Verify that the IUT ignores an UI frame too long received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE !UI_TL # # # START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	UI_TL0_NC	 (P) (F)	P=0, UI Frame too long No response rcvd.
Extended Comments:Q.921 Ref. 2.9 UI Frame has information field that is too long				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS10_N05				
Identifier:DS10_N05				
Purpose:Verify that the IUT ignores an UI with bad FCS received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE !UI_FCS # # #		UI0_FCS_NC		P=0, UI with bad FCS
START Td ?TIMEOUT Td #	L100		(P)	No response rcvd.
+DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 2.9 UI Frame has bad FCS Field.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS10_N08				
Identifier:DS10_N08				
Purpose:Verify that the IUT does not respond to an ID_Check_Request with an invalid C/R (=0). The IUT is expected to remain in TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE !UI_Mgmt # # #		Inv_Chk_Req(0,0,127)		ID Chk Req with an invalid C/R (=0)
START T201 (T201value+DELTA) ?TIMEOUT T201 +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100		(P)	No response
			(F)	
Extended Comments:Q.921 Ref. 3.6.1				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS10_Nl0 Identifier:DS10_Nl0 Purpose:Verify that the IUT does not respond to an ID.Assigned with an invalid C/R (=0). The IUT is expected to remain in TEI Unassigned state (1.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE +ASSIGN_AI !UI_Mgmt # # # #		Inv_Id_Assign (0,0,0,AI_No)		Get an unused TEI ID Assigned with an invalid C/R (=0)
START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100		(P)	No response
			(F)	

Extended Comments:Q.921 Ref. 3.6.1

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS10_N11				
Identifier:DS10_N11				
Purpose:Verify that the IUT does not respond to an ID_Assigned with an invalid Octet 2 EA bit (=1). The IUT is expected to remain in TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10S_PREAMBLE +ASSIGN_AI				
# !UI_Mgmt		Inv_Id_Assign (1,1,0,Ai_No)		Get an unused TEI ID Assigned with invalid EA
#				
START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100		(P)	No response
Extended Comments:Q.921 Ref. 2.9				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS10_N12				
Identifier:DS10_N12				
Purpose:Verify that the IUT does not respond to an ID_Denied with an invalid C/R (=0). The IUT is expected to remain in TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE +ASSIGN_AI !UI_Mgmt				
#		Inv_Id_Denied (0,0,0,Ai_No)		ID Denied with invalid C/R (=0)
#				
START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100		(P)	No response
Extended Comments:Q.921 Ref. 3.6.1				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS10_N13				
Identifier:DS10_N13				
Purpose:Verify that the IUT does not respond to an ID_Denied with an invalid Octet 2 EA bit (=1). The IUT is expected to remain in TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE +ASSIGN_AI !UI_Mgmt START Td ?TIMEOUT Td +DL10_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	Inv_Id_Denied (1,1,0,Ai_No)	(P)	ID Denied with invalid EA (P) No response
Extended Comments:Q.921 Ref. 2.9				
(F)				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N01				
Identifier:DS20_N01				
Purpose:Verify that the IUT does not respond to an I frame with no information field in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !I START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	I0_NC_NI(0.0)	(P)	no info no response
Extended Comments:Q.921 Ref.				
(F)				
Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N02 Identifier:DS20_N02 Purpose:Verify that the IUT does not respond to an I frame with a layer 3 RELEASE in the information field in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !I START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	IN10_NC(V,R,N_R)	(P)	RELEASE no response
Extended Comments:Q.921 Ref. Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N03 Identifier:DS20_N03 Purpose:Verify that the IUT does not respond to an FRMR frame in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !FRMR_RR START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	FRMR_RR1_NR	(P)	no response
Extended Comments:Q.921 Ref. Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N04				
Identifier:DS20_N04				
Purpose:Verify that the IUT does not respond to a UI frame that is too long in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UI START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	UI_TLQ_NC	(P)	no response
Extended Comments:Q.921 Ref. Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N05				
Identifier:DS20_N05				
Purpose:Verify that the IUT does not respond to a UI frame with an FCS error in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UI START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	UI0_FCS_NC	(P)	no response
Extended Comments:Q.921 Ref. Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N08				
Identifier:DS20_N08				
Purpose:Verify that the IUT does not respond to an ID Check Request with an invalid CR in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	Inv_Chk_Req(0,0,0,127)	(P)	Invalid CR no response
Extended Comments:Q.921 Ref. Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N09				
Identifier:DS20_N09				
Purpose:Verify that the IUT does not respond to an ID Check Request with an invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	Inv_Chk_Req(1,1,0,127)	(P)	Invalid EA no response
Extended Comments:Q.921 Ref. Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N10 Identifier:DS20_N10 Purpose:Verify that the IUT does not respond to an ID Assigned with an invalid CR in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UI_Mgmt START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	Inv_Id_Assign (0,0,1,127)	(P)	Invalid CR no response
#			(F)	
Extended Comments:Q.921 Ref.				
Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N11 Identifier:DS20_N11 Purpose:Verify that the IUT does not respond to an ID Assigned with an invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	Inv_Id_Assign (1.1.1.127)	(P)	Invalid EA no response
Extended Comments:Q.921 Ref.				(F)
Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N12				
Identifier:DS20_N12				
Purpose:Verify that the IUT does not respond to an ID Denied with an invalid CR in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	Inv_Id_Denied (0,0,1,127)	(P)	Invalid CR no response
Extended Comments:Q.921 Ref. Test cases in Assign Awaiting TEI state (2.0) are only executed for automatic TEI devices.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N13				
Identifier:DS20_N13				
Purpose:Verify that the IUT does not respond to an ID Denied with invalid extension bit in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L100 ?OTHERWISE +DL_POSTAMBLE	L100	Inv_Id_Denied (1,1,1,127)	(P)	Invalid EA no response
Extended Comments:Q.921 Ref. Test cases in Awaiting Establishment state (2.0) are only executed for automatic TEI devices.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS20_N14				
Identifier:DS20_N14				
Purpose:Verify that the IUT does not respond to a UI frame (with no information) received in Assign Awaiting TEI state (2.0). The IUT is expected to remain in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL20_PREAMBLE !UI_Ngmt # START Td ?TIMEOUT Td +DL20_VERIFICATION +DL_POSTAMBLE +DL20_UNEXPECTED GOTO L200 ?OTHERWISE +DL_POSTAMBLE	L200	UI0_NC_NI	(P)	UI with no information no response
Extended Comments:Q.921 Ref. 5.2.3				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_N01				
Identifier:DS40_N01				
Purpose:Verify that the IUT does not respond to a SABME (with a TEI value not assigned to the IUT) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !SABME # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	SABMETEIL_NC (UNUSED_TEI)	(P)	SABME with unassigned TEI no response
Extended Comments:Q.921 Ref. The SABME sent by the Tester has a TEI value different from the value assigned to the IUT (for Automatic TEI equipment) or different from the value which the vendor claims to support (for Non-automatic TEI equipment).				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_N06				
Identifier:DS40_N06				
Purpose:Verify that the IUT does not respond to an RR (with a TEI value not assigned to the IUT) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !RR # # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	RTEIL_NC (UNUSED_TEI,N _R)	(P)	RR with unassigned TEI no response
Extended Comments:Q.921 Ref. 3.4.3 The RR sent by the Tester has a TEI value different from the value assigned to the IUT (for Automatic TEI equipment) or different from the value which the vendor claims to support (for Non-automatic TEI equipment).				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_N07				
Identifier:DS40_N07				
Purpose:Verify that the IUT does not respond to an I with information, (with a TEI value not assigned to the IUT) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !I # # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	ITEIL_NC (UNUSED_TEI,N _S,N_R)	(P)	I with unassigned TEI no response
Extended Comments:Q.921 Ref. 3.4.3 The I sent by the Tester has a TEI value different from the value assigned to the IUT (for Automatic TEI equipment) or different from the value which the vendor claims to support (for Non-automatic TEI equipment).				

LAPD Conformance Testing

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_N08 Identifier:DS40_N08 Purpose:Verify that the IUT does not respond to an ID-Check-Request with bad CR received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	Inv_Chk_Req(0 ,0,0,Ai_No)	(P)	CR=0 no response
Extended Comments:Q.921 Ref. 3.6.1				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_N09 Identifier:DS40_N09 Purpose:Verify that the IUT does not respond to an ID-Check-Request with bad EA (first address field extension bit) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	Inv_Chk_Req(1 ,1,0,Ai_No)	(P)	EA=1 no response
Extended Comments:Q.921 Ref. 2.9 (e)				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_N10 Identifier:DS40_N10 Purpose:Verify that the IUT does not respond to an ID-Assigned with bad CR received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	Inv_Id_Assign (0,0,0,Ai_No)	(P)	CR=0 no response
Extended Comments:Q.921 Ref. 2.9 (e)				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_N11 Identifier:DS40_N11 Purpose:Verify that the IUT does not respond to an ID-Assigned with bad EA (first address field extension bit) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	Inv_Id_Assign (1,1,0,Ai_No)	(P)	EA=1 no response
Extended Comments:Q.921 Ref. 2.9 (e)				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_N12				
Identifier:DS40_N12				
Purpose:Verify that the IUT does not respond to an ID-Denied with bad CR received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	Inv_Id_Denied (0,0,0,Ai_No)	(P) (F)	CR=0 no response
Extended Comments:Q.921 Ref. 3.6.1				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_N13				
Identifier:DS40_N13				
Purpose:Verify that the IUT does not respond to an ID-Denied with bad EA (first address field extension bit) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !UI_Mgmt # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	Inv_Id_Denied (1,1,0,Ai_No)	(P) (F)	EA=1 no response
Extended Comments:Q.921 Ref. 2.9 (e)				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_N14				
Identifier:DS40_N14				
Purpose:Verify that the IUT does not respond to a UI frame, with no information, received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !UI # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	UIO_NC_NI	(P) (F)	UI w/no info no response
Extended Comments:Q.921 Ref. 5.5.4				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_N15				
Identifier:DS40_N15				
Purpose:Verify that the IUT does not respond to a frame with an FCS error received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !I_FCS # START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400	IFCS0_NC(V_R, V_S)	(P) (F)	FCS error encoding No response rcvd.
Extended Comments:Q.921 Ref. 2.9				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS50_N15				
Identifier:DS50_N15				
Purpose:Verify that the IUT does not respond to a frame with an FCS error received in Awaiting Establishment state (5.0). The IUT is expected to remain in the Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !I_FCS		IFCS0_NC (V_R, V_S)		FCS error encoding rcvd.
#				
START Td ?TIMEOUT Td +DL50_VERIFICATION +DL_POSTAMBLE ?SAME GOTO L500 +DL50_UNEXPECTED GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500	SABME1_UC	(P)	No response rcvd.
			(F)	
Extended Comments:Q.921 Ref. 2.9				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS50_N17				
Identifier:DS50_N17				
Purpose:Verify that the IUT does not respond to an ID_Remove (Ai-different TEI) received in Awaiting Establishment state (5.0). The IUT is expected to remain in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL50_PREAMBLE !UI_Mgmt		ID_Rmv (UNUSED _TEI)		Ai <> TEI_N , Ai valid
#				
START Td ?TIMEOUT Td +DL50_VERIFICATION +DL_POSTAMBLE GOTO L500 ?OTHERWISE +DL_POSTAMBLE	L500		(P)	
			(F)	
Extended Comments:Q.921 Ref. 5.3.4 This test is executed for both automatic and non-automatic TEI IUTs. Ai is a valid value (64-126), but not equal to TEI under test.				

Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS51_V16				
Identifier: DS51_N16				
Purpose: Verify that the IUT sends the I frame queued prior to transmission of a SAME/P=1 and after receiving a UA/F=1 in the Waiting Establishment state (5.1). The IUT is expected to enter Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE +DL74_1I_SETUP !DM +DL51_PREAMBLE !UA START T200 ?I CANCEL T200	L510	DM1_NR UA1_NR IO_UC (V_S, V_R)	(P)	F=1
#				
+DL70_VERIFICATION +DL_POSTAMBLE +DL51_UNEXPECTED GOTO L510 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F) (F)	
Extended Comments: Q.921 Ref. 5.7				

Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS60_N15				
Identifier: DS60_N15				
Purpose: Verify that the IUT does not send a response to a frame with an FCS error received in Awaiting Release state (6.0). The IUT is expected to remain in the Awaiting Release state (6.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL60_PREAMBLE !I_FCS START Td ?TIMEOUT Td	L600	IFCS0_NC (V_R, V_S)	(P)	FCS error encoding rcvd.
#				
+DL60_VERIFICATION ?DISC GOTO L600 +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE		DISC1_UC	(F)	
Extended Comments: Q.921 Ref. 2.9				

LAPD Conformance Testing

Test Case Dynamic Behaviour					
Reference:IAPD/SYSTEM/DS60_N17 Identifier:DS60_N17					
Purpose:Verify that the IUT does not respond to an ID-Remove (AI-different TEI) received in Awaiting Release state (6.0). The IUT is expected to remain in Awaiting Release state (6.0).					
Default:					
#	Behaviour Description	Label	Constraints Reference	V	Comments
	+DL60_PREAMBLE !UI_Mgmt		ID_Rmv (UNUSED _TEI)		AI <> TEI_N , AI valid
	START Td ?TIMEOUT Td +DL60_VERIFICATION +DL_POSTAMBLE +DL60_UNEXPECTED GOTO L600 ?OTHERWISE +DL_POSTAMBLE	L600		(P)	
				(F)	
Extended Comments:Q.921 Ref. 5.3.4 This test is executed for both automatic and non-automatic TEI IUTs. AI is a valid value (64-126), but not equal to TEI under test.					

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_V01				
Identifier:DS70_V01				
Purpose:Verify that IUT correctly updates its N(R) counter using modulo 128 addition. The IUT is expected to respond to consecutively numbered I-frames with an RR or RNR with F=1 and N(R) <= 127.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> +DL70_PREAMBLE (I_CNT:=0) ! I(V_A:=I.N_R) # # # # START T200 (V_R1:=(V_R+1)MOD 128)) ?RR(I_CNT:=I_CNT+1,V_R:= # ((V_R+1)MOD 128)) [I_CNT>128] # +DL70_VERIFICATION +DL_POSTAMBLE [I_CNT<=128] GOTO L700 +IUT_BSY [FAIL_FL=TRUE] +DL_POSTAMBLE [(FAIL_FL=FALSE)AND # (I_CNT>128)] +DL_POSTAMBLE GOTO L700 +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE IUT_BSY ?RNR(I_CNT:=I_CNT+1,V_R:=(V_R+1) #MOD 128)) (FLAG:=FALSE,FAIL_FL:=FALSE) PREPRT BSY_CHK UNTIL I(FLAG) OR </pre>	L700	I1_NC(V_R, V_S)		P=1,N(R) set to V(S) , N(S) set to V(R) of IUT
	L701	RNR1_UR(V_R1)	(P)	F=1 All 128 frames sent
				Continue
			(F)	Last I-frame
			(P)	acked
				Retransmit
			(F)	
			(F)	
		RNR1_UR(V_R1)		F=1,I-frame ACRed

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Behaviour Description	Label	Constraints Reference	V	Comments
# (FAIL_FL)] ?RNR		RNR1_UR(V_R)		F=1, I-Frame not ACKed P=1
!RR(V_A::=RR.N_R) (FLAG::=FALSE, FAIL_FL::=FALSE) REPEAT BSY_CHK UNTIL [(FLAG)		RNR1_NC(V_S)		
#OR (FAIL_FL)] ?RNR		RNR1_UC(V_R)		P=1, IUT busy before receiving I-Frame F=1
!RR(V_A::=RR.N_R) (FLAG::=FALSE, FAIL_FL::=FALSE) REPEAT BSY_CHK UNTIL [(FLAG)		RNR1_NR(V_S)		
#OR (FAIL_FL)] ?RNR		RNR0_UR(V_R)		F=0, I-Frame not ACKed P=1
!RR(V_A::=RR.N_R) (FLAG::=FALSE, FAIL_FL::=FALSE) REPEAT BSY_CHK UNTIL [(FLAG)		RNR1_NC(V_S)		
#OR (FAIL_FL)] ?RNR		RNR0_UC(V_R)		P=0, I-Frame not ACKed P=1
!RR(V_A::=RR.N_R) (FLAG::=FALSE, FAIL_FL::=FALSE) REPEAT BSY_CHK UNTIL [(FLAG)		RNR1_NC(V_S)		
#OR (FAIL_FL)] BSY_CHK START T200 ?RR (FLAG::=TRUE) ?RR (FLAG::=TRUE) !RR(V_A::=RR.N_R) START T200	L702	RNR1_UR(V_R) RNR1_UC(V_R) RNR1_NR(V_S)		F=1 P=1 F=1 Wait for response to previous poll
# # #		RNR1_UR(V_R) RNR0_UR(V_R)		F=1 F=0 Wait for response to previous poll
?TIMEOUT T200 ?RR ?RR (FLAG::=TRUE) START T200				
?TIMEOUT T200				

[4]

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[2]

Behaviour Description	Label	Constraints Reference	V	Comments
?RR ?RR (FLAG::=TRUE) START T200		RNR1_UR(V_R) RNR0_UC(V_R)		F=1 P=0 Wait for response to previous poll
?TIMEOUT T200 ?RR ?RNR		RNR1_UR(V_R) RNR1_UR(V_R)		F=1 F=1, IUT still busy wait T200 before sending poll
START T200				
?TIMEOUT T200 !RR(V_A::=RR.N_R)		RNR1_NC(V_S)		P=1, poll for busy status
GOTO L702 ?OTHERWISE(FAIL_FL::=TRUE) ?TIMEOUT T200 (FAIL_FL::=TRUE)				
Extended Comments: Q.921 Ref. 5.9.5 - The window rotation test sends I-frames with incrementing sequence numbers to the IUT. Test waits for IUT to ACK each I-frame with RR before sending next I-frame. Test passes when IUT ACKs 128th I-frame with a N(R)=0. The tree IUT_BSY is used to handle the possibility of the IUT entering the busy state during the test. IUT_BSY checks for receipt of RNR with all possible permutations of the P and F bits. If the RNR received ACKs the 128th I-frame sent, the test terminates, else the IUT is polled periodically to determine if the busy condition has been cleared. The tree BSY_CHK is used to monitor the busy state of the IUT. If RR is received, FLAG is set to TRUE indicating that the IUT busy condition has been cleared, the tester then continues transmitting I-frames. If RNR is received the IUT is still busy. The tester sends RR after waiting T200 to continue polling busy status of IUT. If a fail condition occurs during the busy status check, FAIL_FL is set to TRUE to signal the main test body.				

Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS70_N02 Identifier: DS70_N02 Purpose: Verify that the IUT ignores an I frame that is not properly bounded by two flags received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[UNBOUNDED_FRAME] +DL70_PREAMBLE !I_NF(V_A::=I_NF.N_R) # START Td ?TIMEOUT Td !RR(V_A::=RR.N_R) START T200 ?RR +DL70_VERIFICATION +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE ?RR # # # # !RR GOTO L900 +DL70_UNEXPECTED GOTO L900 ?OTHERWISE +DL_POSTAMBLE [NOT (UNBOUNDED_FRAME)] #	L900	INF1_NC(V_R,V_S) RRL_NC(V_S) RRL_UR(V_R) RRL_UC(V_R) RRL_NR(V_S)	(P) (F) (F)	unbounded I-frame no response P=1 F=1 P=1 Sequence # checked to verify I frame was discarded. F=1 Test not run

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received RR following timeout of Td should be checked to verify that the I frame was discarded.

Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS70_N03 Identifier: DS70_N03 Purpose: Verify that the IUT ignores a SABME that contains fewer than 5 octets between flags received in Multiple Frame Established state (7.0). IUT is expected to remain in Multiple Frame Established state (7.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !SABME_SRT # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE ?RR !RR GOTO L900 +DL70_UNEXPECTED GOTO L900 ?OTHERWISE +DL_POSTAMBLE	L900	SABMESRT1_NC RRL_UC(V_R) RRL_NR(V_S)	(P) (F)	SABME too short no response P=1 F=1

Extended Comments: Q.921 Ref. 5.8.4
 Short SABME is created by deleting the second octet of the address field but leaving the EA field of the first octet of the address field set to 1.

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_N04 Identifier:DS70_N04 Purpose:Verify that the IUT ignores a SABME that contains a frame check sequence (FCS) error received in Multiple Frame Established state (7.0). IUT is expected to remain in Multiple Frame Established state (7.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !SABME_FCS START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE ?RR !RR GOTO L900 +DL70_UNEXPECTED GOTO L900 ?OTHERWISE +DL_POSTAMBLE	L900	SABMEFCS1_NC RR1_UC(V_R) RR1_NR(V_S)	(F) (F)	FCS error no response P=1 F=1
Extended Comments:Q.921 Ref. 5.8.4 Error in FCS is created by sending a valid SABME frame and then corrupting the FCS on transmission.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_N05 Identifier:DS70_N05 Purpose:Verify that the IUT ignores a SABME with a single octet address field received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !SABME # # START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE ?RR !RR GOTO L900 +DL70_UNEXPECTED GOTO L900 ?OTHERWISE +DL_POSTAMBLE	L900	SABMEAL_NC RR1_UC(V_R) RR1_NR(V_S)	(F) (F)	single octet addr field no response P=1 F=1
Extended Comments:Q.921 Ref. 5.8.4 Single address octet SABME will be created by setting EA field of first address octet to 1 and the second octet of address field will be sent correctly.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_N06				
Identifier:DS70_N06				
Purpose:Verify that the IUT ignores a SABME with a service access point identifier (SAPI) not supported by the receiver, received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !SABME START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE ?RR !RR GOTO L900 +DL70_UNEXPECTED GOTO L900 ?OTHERWISE +DL_POSTAMBLE	L900	SABMES1_NC RRL_UC(V_R) RRL_NR(V_S)	(P)	unsupported SAPI no response P=1 F=1
Extended Comments:Q.921 Ref. 5.8.4 Vendor shall provide a SAPI value that its receiver does not support as an answer to a PIXIT question.				
			(F)	

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_N07				
Identifier:DS70_N07				
Purpose:Verify that the IUT ignores a frame with seven or more contiguous one bits received in Multiple Frame Established state (7.0). This shall be considered a frame abort condition. The IUT is expected to remain in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !ABORT_FRM START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE ?RR !RR GOTO L900 +DL70_UNEXPECTED GOTO L900 ?OTHERWISE +DL_POSTAMBLE	L900	ABORT_FRM1 RRL_UC(V_R) RRL_NR(V_S)	(P)	no response P=1 F=1
Extended Comments:Q.921 Ref. 2.1.0				
			(F)	

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_N08				
Identifier:DS70_N08				
Purpose:Verify that the IUT ignores a SABME with a TEI value not assigned to the IUT received in Multiple Frame Established state (7.0). IUT is expected to remain in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE +ASSIGN_TEI !SABME		SABMETEIL_NC (TEI_No)		SABME with unassigned TEI
#				
#				
START Td ?TIMEOUT Td +DL70_VERIFICATION +DL_POSTAMBLE ?RR !RR GOTO L900 +DL70_UNEXPECTED GOTO L900 ?OTHERWISE +DL_POSTAMBLE	L900	RR1_UC(V_R) RR1_NR(V_S)	(P)	no response P=1 F=1
Extended Comments:Q.921 Ref. 5.8.4 The SABME sent by the Tester has a TEI value different from the value assigned to the IUT (for Automatic TEI equipment) or different from the value which the vendor claims to support (for Non-automatic TEI equipment).				
			(F)	

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS74_N15				
Identifier:DS74_N15				
Purpose:Verify that the IUT does not respond to a frame with an FCS error received in Multiple Frame Established state (7.4). The IUT is expected to remain in the Multiple Frame Established state (7.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !I_FCS		IFCS0_NC(V_R, V_S)		FCS error encoding
#				
#				
START Td ?TIMEOUT Td +DL74_VERIFICATION +DL_POSTAMBLE ?RR GOTO L740 +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE	L740	RR1_NC(V_R)	(P)	No response rcvd.
Extended Comments:Q.921 Ref. 2.9				
			(F)	

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS74_N17				
Identifier:DS74_N17				
Purpose:Verify that the IUT does not respond to an ID_Remove (with Ai=ifferent TEI) received in Multiple Frame Established state (7.4). The IUT is expected to remain in Multiple Frame Established state 7.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE !UT_Mgmt		ID_Rmv (UNUSED _TEI)		Ai <> TEI_N , Ai valid
#				
START Td ?TIMEOUT Td	L740		(P)	Unmatched Ai
#				
+DL74_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.3.4 This test is for both automatic and non-automatic TEI IUTs. Ai is a valid value (64-126) but not equal to TEI under test.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS74_V18				
Identifier:DS74_V18				
Purpose:Verify that the IUT retransmits an I frame in response to a RR/F=1 response indicating that the peer busy condition has ended, in Multiple Frame Established state (7.4). The IUT is expected to enter Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_SEND_A_IFRAME] +DL70_PREAMBLE +DL74_II_SETUP				
#				
#				
#				
START Td ?RR				
!RR START T200	L741	RR1_UC(V_R) RR1_NR(V_S)		Set peer busy with one I frame outstanding
?I	L742	IO_UC(V_S, N_R) RR0_NR(N_R)	(P)	F=1
#				
!RR(N_R:=V_S+1) +DL70_VERIFICATION +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L742 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L741 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT (CAN_SEND_A_IFRAME)]			(F) (F) (F) (F) (F) (F)	
#			I	Test not run
Extended Comments:Q.921 Ref. 5.6.5				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS80_N15				
Identifier:DS80_N15				
Purpose:Verify that the IUT does not respond to a frame with an FCS error received in Timer Recovery state (8.0). The IUT is expected to remain in the Timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL80_PREAMBLE !I_FCS		IFCS0_NC(V_R, V_S)		FCS error encoding
#				
START Td ?TIMEOUT Td	L800		(P)	No response received
#				
+DL80_VERIFICATION +DL_POSTAMBLE ?RR GOTO L800 +DL80_UNEXPECTED GOTO L800 ?OTHERWISE +DL_POSTAMBLE		RR1_NC(V_R)		
Extended Comments:Q.921 Ref. 2.9				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS84_N15				
Identifier:DS84_N15				
Purpose:Verify that the IUT does not respond to a frame with an FCS error received in Timer Recovery state (8.4). The IUT is expected to remain in the Timer Recovery state (8.4).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE !I_FCS		IFCS0_NC(V_R, V_S)		FCS error encoding
#				
START Td ?TIMEOUT Td	L840		(P)	No response rcvd.
#				
+DL84_VERIFICATION +DL_POSTAMBLE ?RR GOTO L840 +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE		RR1_NC(V_R)		
Extended Comments:Q.921 Ref. 2.9				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS84_N17				
Identifier:DS84_N17				
Purpose:Verify that the IUT does not respond to an ID_Remove (Ai-different TEI) received in Timer Recovery state (8.4). The IUT is expected to remain in state 8.4.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL84_PREAMBLE IUI_Mgmt		ID_Rmv (UNUSED _TEI)		Ai <> TEI_N , Ai valid
START Td ?TIMEOUT Td +DL84_VERIFICATION +DL_POSTAMBLE +DL84_UNEXPECTED GOTO L840 ?OTHERWISE +DL_POSTAMBLE	L840		(P)	
			(F)	
Extended Comments:Q.921 Ref. 5.3.4 This test is executed for both automatic and non-automatic TEI IUTs. Ai is a valid value (64-126) , but not equal to TEI under test.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_1_1 Identifier:DS40_1_1 Purpose:Tests the normal initialisation of multiple-frame operation. Verify that the IUT 1) is able to initiate link establishment in TEI Assigned state (4.0), and 2) is able to send an I frame after entering Multiple Frame Established state (7.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[Q931SW_PRESENT] +DL40_PREAMBLE !UI START T1				
# ?SABME :UA(V_R:=0,V_S:=0) START				
#T1 ?I(V_S:=V_S+1)	L700	UI0_1 SABME1_UC UAL_NR		Q.931 Setup msg. P=1 F=1
# !RR +DL70_VERIFICATION +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE [NOT(Q931SW_PRESENT)]	L701	IO_UC(V_S, V_R) RR0_NR(V_S)	(F) (F) (F) (F) (F)	P=0 F=0
#			I	Test not run
Extended Comments:Q.921 Ref. 5.5.1.2 Executed only if Q.931 software is present in IUT.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_1_2				
Identifier:DS40_1_2				
Purpose:Tests the IUT's response to the loss of a UA frame. Verify that the IUT retransmits a SABME/P=1 after receiving no response to a first SABME/P=1 sent in TEI Assigned state (4.0)				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[Q931SW_PRESENT] +DL40_PREAMBLE !UI START T1		UI0_1		Q931 Setup msg. P=1
?SABME START Td	L700	SABME1_UC		
?SABME !UA START Td ?I(V_S:=V_S+1)	L701	SABME1_UC UA1_NR		P=1 F=1 P=0
!RR +DL70_VERIFICATION +DL_POSTAMBLE GOTO L702 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE [NOT (Q931SW_PRESENT)]	L702	IO_UC(V_S, V_R) RR0_NR(V_S)	(F)	F=0
			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run

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Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_1_3				
Identifier:DS40_1_3				
Purpose:Verify that the IUT does not respond after receiving a DM/P=1 in response to a first SABME/P=1 sent in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[Q931SW_PRESENT] +DL40_PREAMBLE !UI START T1		UI0_1		Q931 Setup msg. P=1 P=1 P=1 P=1
?SABME !DM !DISC START T200 ?DM +DL40_VERIFICATION +DL_POSTAMBLE GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE [NOT (Q931SW_PRESENT)]	L700 L701	SABME1_UC DM1_NR DISC1_NC DM1_UR	(P)	
			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run

Extended Comments:Q.921 Ref. 5.5.1.2
Executed only if Q.931 software is present in IUT.

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_1_4				
Identifier:DS40_1_4				
Purpose:Tests the IUT's response to the inability of the network to respond to a SABME/P=1 received in TEI Assigned state (4.0). Verify that the IUT retransmits a SABME/P=1 after receiving no response. The IUT is expected to remain in TEI Assigned state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[Q931SW_PRESENT] +DL40_PREAMBLE (RC::=0) !UI		UI0_1		Q.931 Setup msg.
# START T1 ?SABME [RC<N200] (RC::	L700			P=1
#=RC+1) GOTO L700 ?SABME [RC=N200] +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE [NOT(Q931SW_PRESENT)]	L701	SABME1_UC	(P)	P=1
		SABME1_UC	(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.5.1.3 Executed only if Q.931 software is present in IUT.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_1_5				
Identifier:DS70_1_5				
Purpose:Verify that the IUT sends a UA/F=1 in response to a SABME/P=1 received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established state after sending the UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !SABME START T200 ?UA (V_S::=0,V_R::=0,V_A::=0) +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	SABME1_NC UAL_OR	(P)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.1.2 NOTE *** Identical to DL70_V08.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_2_1 Identifier:DS40_2_1 Purpose:Tests unnumbered frame transfer on broadcast data link. Verify that the IUT is able to send an I frame after entering Multiple Frame Established state (7.0). the IUT is expected to remain in Multiple Frame Established after receiving RR/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[Q931SW_PRESENT] +DL40_PREAMBLE !UI START T1				
#				
?SABME !UA(V_R:=0,V_S:=0) START	L700	UI0_1 SABME_UC UAL_NR		Q.931 Setup msg. P=1 F=1
#T1 ?I(V_S:=V_S+1)	L701	I0_UC(V_S, V_R)		P=0
#		RR0_NR(V_S)	(P)	F=0
!RR +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE [NOT(Q931SW_PRESENT)]			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.5.1.2 Executed only if Q.931 software is present in IUT.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_2_2 Identifier:DS70_2_2 Purpose:Verify that the IUT cycles through 128 sequence numbers during I frame transfer in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[Q931SW_PRESENT] +DL70_PREAMBLE (I_CNT:=0) !I START T1				
#				
(V_R:=(V_R+1)MOD 128) ?RR START T1 ?I(V_S:=(V_S+1)MOD 128)	L700	IN10_NC(V_R,V _S)		P=0, Rel
!RR (I_CNT:=I_CNT+1) (I_CNT<=128) GOTO L700 (I_CNT>128) +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L702 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE ?I(V_S:=(V_S+1)MOD 128)	L701 L702 L703	RR0_UR(V_R) IN20_UC(V_S,V _R) RR0_NR(V_S)	(P)	P=0, Rel Comp
			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.7.				

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Executed only if Q.931 software is present in IUT.

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_2_3				
Identifier:DS70_2_3				
Purpose:Verify that the IUT sends an RR/F=0 in response to I/P=0 sent as a valid response to an IUT 1 frame in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending an RR/F=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [Q931SW_PRESENT] +DL70_PREAMBLE ! I START T200 (V_R,:=V_R+1) ?RR START T1 ?I (V_S,:=V_S+1) +DL70S_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(Q931SW_PRESENT)] </pre>	L701 L702	IN10_NC(V_R,V_S) RR0_UR(V_R) IN20_UC(V_S,V_R)	(P) (F) (F) (F) (F) I	P=0,Release F=0 P=0,Rel Comp Test not run
#				
#				
#				

Extended Comments:Q.921 Ref. 5.6.3.2.

Executed only if 0.931 software is present in IUT

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Test Case Dynamic Behaviour
Reference:LAPD/SYSTEM/DS70_3_1 Identifier:DS70_3_1 Purpose:Verify that the IUT sends a UA/F=1 in response to a DISC/P=1 received in Multiple Frame Established state (7.0). The IUT is expected to enter TEI Assigned state after sending the UA/F=1. Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !DISC START T200 ?UA	L700	DISC1_NC	(P)	P=1
+DL40_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE		UAL_UR	(F)	F=1
+DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE			(F)	

Extended Comments:Q.921 Ref. 5.5.3.2
NOTE *** Identical to DL70_v12.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS70_4_1 Identifier: DS70_4_1 Purpose: Verify that the IUT does not respond to an I/P=0 containing an FCS error received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RR__ START T200 ?RR !I	L700	RR1_NC(V_S) RR1_UR(V_R) IFC50_NC(V_R, V_S)		P=1 F=1 P=0, Release w/ FCS error
START Td ?TIMEOUT Td +DL70_VERIFICATION +DL70_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L701		(P)	
			(F)	
			(F)	
			(F)	
Extended Comments: IQ.921 Ref. 2.7, 2.9				

Extended Comments:Q.921 Ref. 2.7, 2.9

4 Abstract Test Suite - Part I

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_4_2a				
Identifier:DS70_4_2a				
Purpose:Test the IUT's response to I/P=0 loss in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established state after the tester confirms loss of I frame.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [Q931SW_PRESENT] +DL70_PREAMBLE ! I START T200 (V_R:=V_R+1) ?RR START T1 ?I START Td ?RR START T1 ?RR !RR START Td ?I(V_S:=V_S+1) !RR </pre>	L700 L701 L702 L703 L704	IN10_NC(V_R,N_R) RR0_UR(V_R) IN20_UC(V_S,V_R) RR1_UC(V_R) RR1_UC(V_R) RR1_NR(V_S) IN20_UC(V_S,V_R) RR0_NR(V_S)	P=0, Release F=0 P=0, Rel Comp P=1 P=1 F=1 P=0, Rel Comp F=0	
<pre> +DL70_UNEXPECTED GOTO L704 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L703 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L702 ?OTHERWISE +DL_POSTAMBLE </pre>	✓		(F) (F) (F) (F) (F) (F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
?TIMEOUT Td +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(Q931SW_PRESENT)]			(F)	
#			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
			I	Test not run
Extended Comments:Q.921 Ref. 5.6.3. Executed only if Q.931 software is present in IUT and IUT polls using RR command.				

Test Case Dynamic Behaviour

Reference:LAPD/SYSTEM/DS70_4_2b

Identifier:DS70_4_2b

Purpose:Test the IUT's response to I/P=0 loss in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established state after the tester confirms loss of I frame.

Default:

Behaviour Description	Label	Constraints Reference	V	Comments
[Q931SW_PRESENT] +DL70_PREAMBLE ! I START T200 (V_R:=V_R+1) ?RR START T1 ?I START Td ?I START T1 ?RR(V_S:=V_S+1) !RR				
#	L700 L701	IN10_NC(V_R,N_R) RR0_UR(V_R) IN20_UC(V_S,V_R)		P=0,Release F=0 P=1, Rel Comp
#	L702	IN41_UC(V_S,V_R)		P=1
#	L703	RR1_UC(V_R) RR1_NR(V_S)	(F)	P=1 F=1
#+DL70S_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L703 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L702 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL70_UNEXPECTED				
			(F)	
			(F)	
			(F)	
			(F)	
			(F)	
			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT (Q931SW_PRESENT)]			(F) (F) I	Test not run
# Extended Comments: Q.921 Ref. 5.6.3. Executed only if Q.931 software is present in IUT and IUT polls using I command frame.				

Test Case Dynamic Behaviour

Reference: LAPD/SYSTEM/DS70_4_3 Identifier: DS70_4_3 Purpose: Test the IUT's recovery from the loss of an RR in Multiple Frame Established state (7.0) (polling using I or RR command). The IUT is expected to enter Multiple Frame Established state after the tester confirms reception of I frame. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[Q931SW_PRESENT] +DL70_PREAMBLE ! I START T200 (V_R:=V_R+1) ?RR START T1 ? I START Td ?RR (V_S:=V_S+1) !RR +DL70_VERIFICATION +DL_POSTAMBLE ? I (V_S:=V_S+1) !REJ +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L702 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T1 +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200	L700 L701 L702	IN10_NC (V_R,V_S) RR0_UR (V_R) IN20_UC (V_S,V_R) RR1_UC (V_R) RR1_NR (V_S) IN41_UC (V_S,V_R) REJ1_NR (V_S)	 (P) (P) (F) (F) (F) (F) (F) (F)	P=0, Release F=0 P=0, Rel Comp P=1 F=1 P=1, Rel Comp F=1
#				
#				
#				

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Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS74_5_1				
Identifier: DS74_5_1				
Purpose: Verify that the IUT sends a queued I/P=0 after receiving an RR/F=0 or F=1 in the Peer Receiver Busy state (7.4). The IUT is expected to enter Multiple Frame Established state after sending the outstanding I/P=0.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[Q931SW_PRESENT] +DL74S_PREAMBLE !I START T200 (V_R:=V_R+1) ?RR START T1 ?RR !RR START Td ?I(V_S:=V_S+1) !RR +DL70_VERIFICATION +DL_POSTAMBLE GOTO L742 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE ?TIMEOUT T1 !RR START Td ?I(V_S:=V_S+1) !RR +DL70_VERIFICATION +DL_POSTAMBLE GOTO L743 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL74_UNEXPECTED GOTO L741 ?OTHERWISE	L740 L741 L742	IN10_NC(V_R,V_S) RR0_UR(V_R) RR1_UC(V_R) RR1_NR(V_S) IN20_UC(V_S,V_R) RR0_NR(V_S)	(P)	P=0, Release F=0 P=1 F=1 P=0, Rel Comp F=0
+DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(Q931SW_PRESENT)]	#		(F)	Test not run

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Behaviour Description	Label	Constraints Reference	V	Comments
+DL_POSTAMBLE +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(Q931SW_PRESENT)]			(F)	
#			(F)	
Extended Comments: Q.921 Ref. 5.6.5, 5.6.6, 5.6.7. Executed only on IUTs with Q.931 software present.				

Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS70_5_2				
Identifier: DS70_5_2				
Purpose: Verify that the IUT sends an RR/F=1 in response to a RR/P=1 received in Multiple Frame Established state (7.0). The IUT is expected to remain in Multiple Frame Established state after sending RR/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RR START T200 ?RR +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	RR1_NC(V_S) RR1_UR(V_R)	(F)	P=1 F=1
Extended Comments: Q.921 Ref. 3.6.6. NOTE *** Identical to DL70_V20.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS10_7_1				
Identifier:DS10_7_1				
Purpose:Verify that the IUT 1) enters TEI Assigned state after receiving an Id Assigned frame in response to an Id Request, and 2) sends an Id Check Response in response to an Id Check Request. The IUT is expected to enter TEI Assigned state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE <IUT!UI_Mgmt>		ID_Req		Init ID Request
START Topr ?UI_Mgmt (Ri_No::=UI_Mgmt.Ri) !UI_Mgmt	L100	ID_Req ID_Assign (Ri_No) ID_chk_req (TEI_N)		TEI value = TEI_N
!UI_Mgmt START T201				
?UI_Mgmt	L101	ID_chk_resp (TEI_N)	(P)	
+DL40_VERIFICATION +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L101				
?OTHERWISE			(F)	
+DL_POSTAMBLE ?TIMEOUT T201			(F)	
+DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100				
?OTHERWISE			(I)	
+DL_POSTAMBLE ?TIMEOUT Topr				
+DL_POSTAMBLE			(I)	

extended Comments:0.921 Ref. 5.3.2, 5.3.3.2.

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_7_3				
Identifier:DS40_7_3				
Purpose:Verify that the IUT sends an ID Check response in response to an ID Check Request(127) received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state after sending the ID Check Response.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !UI_Mgmt START T201		ID_chk_req (127)		TEI value set to 127
?UI_Mgmt	L400	ID_chk_resp (TEI_N)	(P)	
+DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400			(F)	
?OTHERWISE +DL_POSTAMBLE			(F)	
?TIMEOUT T201 +DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref. 5.3.3. NOTE *** Identical to DM40_V06				

Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS10_7_4 Identifier: DS10_7_4 Purpose: Verify that the IUT transmits at least N202 ID_Requests (different Ri#) to T202 Timeout Conditions in TEI Unassigned state (1.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE <IUT!UI_Mgmt>		ID_Req		Request IUT to send ID Request
#				
#				
START Topr ?UI_Mgmt (Ri_No::=UI_Mgmt.Ri) (ID_REQ_CNT::=1)	L100	ID_Req		Start count ing recvd ID Req
#				
#				
START T202 ?UI_Mgmt [Ri_No<>UI_Mgmt.Ri]	L102			Retransmitt ed ID Reque st
#Ri]	L103	ID_Req		
#				
(ID_REQ_CNT::				
[ID_REQ_CNT<N202]				
GOTO L102				
[ID_REQ_CNT>=N202]				
START T202				
?UI_Mgmt	L104	ID_Req	(P)	Expected ID Request or
#				
+DL_POSTAMBLE ?TIMEOUT T202			(P)	IUT stops sending ID Request
#				
#				
+DL_POSTAMBLE +DL10_UNEXPECTED GOTO L104				
?OTHERWISE +DL_POSTAMBLE			(F)	
+DL_POSTAMBLE ?TIMEOUT T202			(F)	
+DL_POSTAMBLE +DL10_UNEXPECTED GOTO L100			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE			(I)	
			(I)	
Extended Comments: Q.921 Ref. 5.3.2.1 NOTE *** Identical to DM10_V08				

Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS40_8_1_1 Identifier: DS40_8_1_1 Purpose: Verify that the IUT does not respond to a SABME/P=1 with an invalid TEI value received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !SABME		SABMETEI1_NC (UNUSED_TEI)		P=1, SABME w/ unused TEI
#				
#				
START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400	L400		(P)	
?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments: Q.921 Ref. 5.3.6.5. Note: it is identical to DS40_N01				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_8_2_1				
Identifier:DS70_8_2_1				
Purpose:Verify that the IUT sends a SAESE in response to an I/P=1 with an invalid C/R value received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SAESE/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE ! I START Td		IL_UC (V_R, V_S)		I w/ C=0
# ?SAESE +DL50_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	SAEME1_UC	(P)	P=1
			(F)	(F)
			(F)	(F)
Extended Comments:Q.921 Ref. 3.6.1. Note *** identical to DL70_N26.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_8_2_2				
Identifier:DS40_8_2_2				
Purpose:Verify that the IUT does not respond to a SAESE/P=1 with an invalid CR value received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !SAEME		SAEME1_UC		SAEME w/ C=0
# START Td ?TIMEOUT Td +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE	L400		(P)	
			(F)	(F)
Extended Comments:Q.921 Ref. 3.3.2				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_8_3				
Identifier:DS70_8_3				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a modulo 8 RR/P=1 received in Multiple Frame Established modulo 128 operation state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RR START Td		RRB1_NC ('000' B)		P=1, Mod 8
# ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL7Q_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	SABME1_UC	(P)	P=1
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.7.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_8_4_1 Identifier:DS70_8_4_1 Purpose:Verify that the IUT sends a REJ/F=0 in response to an I/P=0 with N(S)<V(R) received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established Reject Recovery state after sending REJ/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_S::=V_R+1) ; I # # # #		I0_NC(N_S, V_S)		P=0, N(R) set V(S), N(S) not set to V(R) of IUT
START T200 ?REJ +DL71_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L700	REJ0_UR(V_R)	(P)	P=0
			(F)	
			(F)	
Extended Comments:Q.921 Ref. 5.8.1. NOTE ** Identical to DL70 V47.				

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Reference:LAPD/SYSTEM/DS70_8_4_2

Identifizier:DS70_8_4_2

Purpose: Verify that the IUT retransmits an I/P=0 after receiving a REJ/F=0 in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established state after retransmitting I/P=0

Default:

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Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_8_4_3				
Identifier:DS70_8_4_3				
Purpose:Verify that the IUT retransmits an I/P=0 after receiving a REJ/F=1 in Timer Recovery state (8.0). The IUT is expected to enter Multiple Frame Established state after retransmitting I/P=0				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[Q931SM_PRESENT] +DL70_PREAMBLE ! I START T200 (V_R:=V_R+1) ?RR START T1 ? I (N_R:=V_S,V_S:=V_S+1)		IN10_NC(V_R,N_R)		P=0, Release
#				
START Td ? I !REJ START T1 ? I !RR	L700 L701 L702 L703	RR0_UR(V_R) IN20_UC(V_S,V_R) IN41_UC(N_R,V_R) REJ0_NR(N_R) IN20_UC(N_R,V_R) RR0_NR(V_S)		P=0, Rel Comp P=1, Rel Comp F=0 P=0, Rel Comp F=0
#				
+DL70_VERIFICATION +DL70_POSTAMBLE +DL70_UNEXPECTED GOTO L703 ?OTHERWISE +DL70_POSTAMBLE ?TIMEOUT T1 +DL70_POSTAMBLE ?RR !REJ START T1 ? I !RR			(F) (F)	P=1 F=0 P=0, Rel Comp F=0
#	L704	RR1_UC(V_R) REJ0_NR(N_R) IN20_UC(N_R,V_R) RR0_NR(V_S)	(P)	
+DL70_VERIFICATION +DL70_POSTAMBLE +DL70_UNEXPECTED				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_8_5_la Identifier:DS70_8_5_la Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/P=0 , with an N(R) error, received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established state after sending SABME/P=1 and receiving the UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R:=V_S+2) !RR START Td # ?SABME !UA +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	RR0_NC(N_R) SABME1_UC UAL_NR	 (P) (F) (F)	 P=0, N(R) Error P=1 F=1
Extended Comments:Q.921 Ref. 5.8.5. Note *** identical to DL70_N02				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_8_5_1b Identifier:DS70_8_5_1b Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/F=1 , with an N(R) error, received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established state after sending SABME/P=1 and receiving the UA/F=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R:=V_S+2) !RR START Td # ?SABME !UA +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	RR1_NR(N_R) SABME1_UC UAL_NR	 (P) (F) (F)	 F=1, N(R) Error P=1 F=1
Extended Comments:Q.921 Ref. 5.8.5. Note *** identical to DL70_N03				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_8_5_1c				
Identifier:DS70_8_5_1c				
Purpose:Verify that the IUT sends a SABME/P=1 in response to an RR/F=0 , with an N(R) error, received in Multiple Frame Established state (7.0). The IUT is expected to enter Multiple Frame Established state after sending SABME/P=1 and receiving the UA/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_R:=V_S+2) !RR START Td				
# ?SABME !UA +DL70_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	RR0_NR(N_R) SABME1_UC UAL_NR	(P)	F=0, N(R) Error P=1 F=1
Extended Comments:Q.921 Ref. 5.8.5. Note *** identical to DL70_N04				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_8_6_1				
Identifier:DS40_8_6_1				
Purpose:Verify that the IUT sends a DM/F=1 in response to a DISC/P=1 received in TEI Assigned state (4.0). The IUT is expected to be in TEI Assigned state (4.0) after sending DM/F=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE !DISC START T200 ?DM +DL40_VERIFICATION +DL_POSTAMBLE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L400	DISC1_NC DM1_UR	(P)	P=1 F=1
Extended Comments:Q.921 Ref. 5.5.3.2. NOTE *** Identical to DL40_V08.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS40_8_6_2 Identifier:DS40_8_6_2 Purpose:Verify that the IUT does not respond to an I/P=0, RR/P=1 or RNR/P=1 received in TEI Assigned state (4.0). The IUT is expected to remain in TEI Assigned state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL40_PREAMBLE ! I START T200 (T200value*2)	L400	I0_NC (V_R, V_S)		P=0
?TIMEOUT T200 !RR START T200 (T200value*2) ?TIMEOUT T200 !RNR START T200 # (T200value*2)	L401	RR1_NC (V_R) RNR1_NC (V_R)		P=1 P=1
?TIMEOUT T200 +DL40_VERIFICATION +DL_POSTAMBLE GOTO L402 ?OTHERWISE +DL_UNEXPECTED GOTO L401 ?OTHERWISE +DL_POSTAMBLE	L402		(P)	
+DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE			(F)	
+DL40_UNEXPECTED GOTO L400 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments:0.921 Ref. 5.5.4.				

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LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS10_8_7 Identifier:DS10_8_7 Purpose:Verify that the IUT does not respond to an I/P=0, RR/P=1, UI/P=0, DISC/P=1 or SABME/P=1 received in TEI Unassigned state (1.0). The IUT is expected to remain in TEI Unassigned state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL10_PREAMBLE ! I START T200 (T200value*2)	L400	I0_NC (V_R, V_S)		P=0
?TIMEOUT T200 !RR START T200 (T200value*2) ?TIMEOUT T200 !UI START T200 # (T200value*2)	L401	RR1_NC (V_R) UI0_1		P=1 P=0
?TIMEOUT T200 !DISC START T200 # (T200value*2)	L402	DISC1_NC		P=1
?TIMEOUT T200 !SABME START T200 # (T200value*2)	L403	SABME1_NC		P=1
?TIMEOUT T200 # +DL10_VERIFICATION # +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L404 ?OTHERWISE +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L403 ?OTHERWISE +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L402 ?OTHERWISE +DL_POSTAMBLE +DL10_UNEXPECTED GOTO L401 ?OTHERWISE +DL_POSTAMBLE +DL10_UNEXPECTED	L404		(F)	
			(F)	
			(F)	
			(F)	
			(F)	

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Behaviour Description	Label	Constraints Reference	V	Comments
GOTO L400 ?OTHERWISE +DL_POSTAMBLE			(F)	
Extended Comments:Q.921 Ref.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_8_8_1a				
Identifier:DS70_8_8_1a				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a 3 Octet undefined command received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !UNDEF START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	UNDEF2_NC SABME1_UC	(P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1. NOTE *** Identical to DL70_N26.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_8_8_1b				
Identifier:DS70_8_8_1b				
Purpose:Verify that the IUT sends a SABME/P=1 in response to a 4 Octet undefined command received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !UNDEF START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	UNDEF3_NC SABME1_UC	(P)	P=1 (F) (F)
Extended Comments:Q.921 Ref. 5.7.1.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS70_8_8_2_1 Identifier: DS70_8_8_2_1 Purpose: Verify that the IUT sends a SABME/P=1 in response to a 6 Octet DISC received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !DISC_TL START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	DISC_TL2_NC SABME1_UC	(P) (F) (F)	P=1 P=1
Extended Comments: Q.921 Ref. 5.7.1.				

LAPD Conformance Testing

Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS70_8_2_2 Identifier: DS70_8_2_2 Purpose: Verify that the IUT sends a SABME/P=1 in response to an RR of incorrect length received in Multiple Frame Established state (7.0). The IUT is expected to enter Awaiting Establishment state after sending SABME/P=1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RR_TL # START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	RR_TL1_NC (V_S) SABME1_UC	(F) (F) (F)	P=1 P=1
Extended Comments: Q.921 Ref. 5.7.1. NOTE *** Identical to DL70_N22.				

Test Case Dynamic Behaviour				
Reference: LAPD/SYSTEM/DS70_8_8_4				
Identifier: DS70_8_8_4				
Purpose: Verify that the IUT sends a SABME/P=1 after an N201 error occurs in Multiple Frame Established state (7.0). The IUT is expected to enterAwaiting Establishment state after sending SABME/P=1.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE ! I_IL		I_IL1_NC (V_R, V_S)		P=1
# START Td ?SABME +DL51_VERIFICATION +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700	SABME_UC	(P)	P=1
			(F)	
			(F)	
Extended Comments: Q.921 Ref. 5.7.1. NOTE *** Identical to DL70 N25.				

Test Case Dynamic Behaviour				
Reference:LAPD/SYSTEM/DS70_9_1 Identifier:DS70_9_1 Purpose:Verify that the IUT's T200 between retransmission of frames is within an acceptable tolerance of its value. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RNR START Td ?RR START T200 ?RR READTIMER T200 (temp) [CHECKTIMER(temp, #T200value,T200_tol) +DL_POSTAMBLE [NOT(CHECKTIMER(temp, #T200value,T200_tol))] +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L701 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L700 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L700 L701	RNR0_NR(V_S) RR1_UC(V_R) RR1_UC(V_R)	(P) (F) (F) (F) (F)	F=0 F=1 P=1
Extended Comments:Q.921 Ref. 5.9.1.				

[illegible]

Test Step Dynamic Behaviour			
Reference:	LAPD/LIBRARY/DL_MFOINIT		
Identifier:	DL_MFOINIT		
Objective:	Procedure to initialize the IUT to either TEI assigned State (4.0) or Multiple Frame Established state (7.0) depending on the answer to a PIXIT question for the preferred 'idle state'. This routine is executed at the start of a test sequence for Multiple Frame Operations (states 4.0 through 8.5).		
Default:			
Behaviour Description	Label	Constraints Reference	V
{IDLE_STATE4} +DL4_INIT [NOT(IDLE_STATE4)] +DL7_INIT			
Extended Comments: A PIXIT question will select the idle state to be either state 4.0 or 7.0.			

Test Step Dynamic Behaviour				
Reference: LAPD/LIBRARY/DL4_INIT Identifier: DL4_INIT Objective: Procedure to initialize the IUT to TEI Assigned State (4.0). This routine is executed at the start of a test sequence for Multiple Frame Operations (states 4.0 through 8.5) to place the IUT in the selected 'idle state'. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<pre> [TEI_AUTO] [CAN_INIT_IDREQ] !UI_Mgmt !UI_Mgmt <IUT!UI_Mgmt> # # START Topr ?UI_Mgmt (Ri_No ::= !UI_Mgmt !UI_Mgmt #UI_Mgmt.Ri) # # # START T201 ?UI_Mgmt +DL40_UNEXPECTED GOTO L001 ?OTHERWISE ?TIMEOUT T201 +DL40_UNEXPECTED GOTO L000 ?OTHERWISE ?TIMEOUT Topr [NOT(CAN_INIT_IDREQ)] # # # [NOT(TEI_AUTO)] !UI_Mgmt # # START T201 </pre>	L000	ID_Rnv(127) ID_Rnv(127)		Initiate TEI Id Request
	L001	ID_Assign (Ri_No) ID_chk_req (TEI_N)		verify TEI number = TEI_N
		ID_chk_resp (TEI_N)	F	
			F	
			F	Manual initializat ion require d
		ID_chk_req (TEI_N)	I	
			I	TEI number must be TEI _N

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Behaviour Description	Label	Constraints Reference	V	Comments
<pre> ?UI_Mgmt +DL40_UNEXPECTED GOTO L002 ?OTHERWISE ?TIMEOUT T201 </pre>	L002	ID_chk_resp (TEI_N)		
Extended Comments: If state 4.0 is selected as the 'idle state' (via PIXIT), it is assumed that the IUT remains in state 4 and does NOT initialize the link. If IUT cannot be forced to send a TEI Id Request when this procedure is executed, then a manual process must be done to bring the IUT into the desired idle state before testing.				
			F	
			F	

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/ASSIGN_TEI				
Identifier:ASSIGN_TEI				
Objective:Procedure to assign a TEI number (>= 64 and <= 126) not currently in use and save the value in the test suite variable TEI_No.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO] [(TEI_N=126) OR (TEI_N<64)] # (TEI_No::=64) [TEI_N>63] (TEI_No::=TEI_N+1) [NOT (TEI_AUTO)] (TEI_No::=UNUSED_TEI)				
Extended Comments:Procedure to find an unassigned TEI value for Automatic TEI equipment, or assign the unused TEI value selected by the vendor by PIXIT question..				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL70_WC_SETUP				
Identifier:DL70_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 7.0 - Multiple Frame Established/Normal/Normal - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_K1_IFRAME				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL71_WC_SETUP				
Identifier:DL71_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 7.1 - Multiple Frame Established/Normal/Reject - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_K1_IFRAME (V_A::=0) +SET_REJ_REC (V_A)				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL72_WC_SETUP				
Identifier:DL72_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 7.2 - Multiple Frame Established/Normal/Own Busy - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_K1_IFRAME				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL73_WC_SETUP				
Identifier:DL73_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 7.3 - Multiple Frame Established/Normal/Reject Recovery and Own Busy - with the window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_REJ_REC(V_R) +SET_OWN_BSY +REQ_K1_IFRAME				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL74_WC_SETUP				
Identifier:DL74_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 7.4 - Multiple Frame Established/Peer Receiver Busy/Normal - with the window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_K1_IFRAME (V_A:=0) +SET_PEER_BSY(V_A)				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL75_WC_SETUP				
Identifier:DL75_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 7.5 - Multiple Frame Established/Peer Receiver Busy/Reject Recovery - with the window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_K1_IFRAME (V_A:=0) +SET_REJ_REC(V_A) +SET_PEER_BSY(V_A)				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL76_WC_SETUP				
Identifier:DL76_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 7.6 - Multiple Frame Established/Peer Receiver Busy/Own Busy - with the window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_K1_IFRAME (V_A:=0) +SET_PEER_BSY(V_A)				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL77_WC_SETUP				
Identifier:DL77_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 7.7 - Multiple Frame Established/Peer Receiver Busy/Reject Recovery and Own Busy - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +SET_OWN_BSY +REQ_K1_IFRAME (V_A::=V_R) +SET_PEER_BSY(V_A)				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL70_LI_SETUP				
Identifier:DL70_LI_SETUP				
Objective:Special procedure used to place the IUT in test state 7.0 - Multiple Frame Established/Normal - with one frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_l_IFRAME				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL71_LI_SETUP				
Identifier:DL71_LI_SETUP				
Objective:Special procedure used to place the IUT in test state 7.1 - Multiple Frame Established/Normal/Reject - with one I frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_l_IFRAME (V_A::=0) +SET_REJ_REC(V_A)				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL72_LI_SETUP				
Identifier:DL72_LI_SETUP				
Objective:Special procedure used to place the IUT in test state 7.2 - Multiple Frame Established/Normal/Own Busy - with one I frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_l_IFRAME				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL73_1I_SETUP				
Identifier:DL73_1I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.3 - Multiple Frame Established/Normal/Reject Recovery and Own Busy - with one I frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_1_IFRAME +SET_REJ_REC(V_R) +SET_OWN_BSY +REQ_1_IFRAME				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL74_1I_SETUP				
Identifier:DL74_1I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.4 - Multiple Frame Established/Peer Receiver Busy/Normal - with one I frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_1_IFRAME (V_A::=0) +SET_PEER_BSY(V_A)				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL75_1I_SETUP				
Identifier:DL75_1I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.5 - Multiple Frame Established/Peer Receiver Busy/Reject Recovery - with one I frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_1_IFRAME (V_A::=0) +SET_REJ_REC(V_A) +SET_PEER_BSY(V_A)				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL76_1I_SETUP				
Identifier:DL76_1I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.6 - Multiple Frame Established/Peer Receiver Busy/Own Busy - with one I frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_1_IFRAME (V_A::=0) +SET_PEER_BSY(V_A)				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL77_1I_SETUP				
Identifier:DL77_1I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.7 - Multiple Frame Established/Peer Receiver Busy/Reject Recovery and Own Busy - with one I frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REQ_REC(V_R) +SET_OWN_BSY +REQ_1_IFRAME (V_A::=V_R) +SET_PEER_BSY(V_A)				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL70_2I_SETUP				
Identifier:DL70_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.0 - Multiple Frame Established/Normal/Normal - with two I frames sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_2_IFRAME				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL71_2I_SETUP				
Identifier:DL71_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.1 - Multiple Frame Established/Normal/Reject - with two I frames sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_2_IFRAME (V_A::=0) +SET_REQ_REC(V_A)				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL72_2I_SETUP				
Identifier:DL72_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.2 - Multiple Frame Established/Normal/Own Busy - with two I frames sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_2_IFRAME				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL73_2I_SETUP				
Identifier:DL73_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.3 - Multiple Frame Established/Normal/Reject Recovery and Own Busy - with two I frames sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +SET_OWN_BSY +REQ_2_IFRAME				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL74_2I_SETUP				
Identifier:DL74_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.4 - Multiple Frame Established/Peer Receiver Busy/Normal - with two I frames sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_2_IFRAME (V_A::=0) +SET_PEER_BSY(V_A)				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL75_2I_SETUP				
Identifier:DL75_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.5 - Multiple Frame Established/Peer Receiver Busy/Reject Recovery - with two I frames sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_2_IFRAME (V_A::=0) +SET_REJ_REC(V_R) +SET_PEER_BSY(V_A)				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL76_2I_SETUP				
Identifier:DL76_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 7.6 - Multiple Frame Established/Peer Receiver Busy/Own Busy - with two I frames sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_2_IFRAME (V_A::=0) +SET_PEER_BSY(V_A)				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL77_21_SETUP				
Identifier:DL77_21_SETUP				
Objective:Special procedure used to place the IUT in test state 7.7 - Multiple Frame Established/Peer Receiver busy/Reject Recovery and Own Busy - with two I frames sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +SET_OWN_BSY +REQ_2_IFRAME (V_A:=0) +SET_PEER_BSY(V_A)				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL80_WC_SETUP				
Identifier:DL80_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 8.0 - Timer Recovery/Normal/Normal - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_K1_IFRAME +SET_TIMER_REC				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL81_WC_SETUP				
Identifier:DL81_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 8.1 - Timer Recovery/Normal/Reject Recovery - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_K1_IFRAME +SET_TIMER_REC +SET_REJ_REC(V_R)				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL82_WC_SETUP				
Identifier:DL82_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 8.2 - Timer Recovery/Normal/Own Busy - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_K1_IFRAME +SET_TIMER_REC_OBSY				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL83_WC_SETUP				
Identifier:DL83_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 8.3 - Timer Recovery/Normal/Reject Recovery and Own Busy - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +SET_OWN_BSY +REQ_K1_IFRAME +SET_TIMER_REC_OBSY				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL84_WC_SETUP				
Identifier:DL84_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 8.4 - Timer Recovery/Peer Receiver Busy/Normal - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_K1_IFRAME +SET_TIMER_REC !RNR		RNR0_NC(V_R)		P=0, set peer busy
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL85_WC_SETUP				
Identifier:DL85_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 8.5 - Timer Recovery/Peer Receiver Busy/Reject Recovery - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_K1_IFRAME +SET_TIMER_REC +SET_REJ_REC(V_R) !RNR		RNR0_NC(V_R)		P=0, set peer busy
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL86_WC_SETUP				
Identifier:DL86_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 8.6 - Timer Recovery/Peer Receiver Busy/Own Busy - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_K1_IFRAME +SET_TIMER_REC_OBSY !RNR		RNR0_NC(V_R)		P=0, set peer busy
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL87_WC_SETUP				
Identifier:DL87_WC_SETUP				
Objective:Special procedure used to place the IUT in test state 8.7 - Timer Recovery/Peer Receiver busy/Reject Recovery and Own Busy - with the Window closed.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +SET_OWN_BSY +REQ_K1_IFRAME +SET_TIMER_REC_OBSY !RNR		RNR0_NC(V_R)		P=0, set peer busy
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL80_1I_SETUP				
Identifier:DL80_1I_SETUP				
Objective:Special procedure used to place the IUT in test state 8.0 - Timer Recovery/Normal/Normal - with one frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_1_IFRAME +SET_TIMER_REC				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL81_1I_SETUP				
Identifier:DL81_1I_SETUP				
Objective:Special procedure used to place the IUT in test state 8.1 - Timer Recovery/Normal/Reject Recovery - with one frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +REQ_1_IFRAME +SET_TIMER_REC				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL82_1I_SETUP				
Identifier:DL82_1I_SETUP				
Objective:Special procedure used to place the IUT in test state 8.2 - Timer Recovery/Normal/Own Busy - with one frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_1_IFRAME +SET_TIMER_REC_OBSY				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL83_II_SETUP				
Identifier:DL83_II_SETUP				
Objective:Special procedure used to place the IUT in test state 8.3 - Timer Recovery/Normal/Reject Recovery and Own Busy - with one frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +SET_OWN_BSY +REQ_1_IFRAME +SET_TIMER_REC_OBSY				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL84_II_SETUP				
Identifier:DL84_II_SETUP				
Objective:Special procedure used to place the IUT in test state 8.4 - Timer Recovery/Peer Receiver Busy/Normal - with one frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_1_IFRAME +SET_TIMER_REC !RNR		RNR0_NC(V_R)		P=0, set peer busy
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL85_II_SETUP				
Identifier:DL85_II_SETUP				
Objective:Special procedure used to place the IUT in test state 8.5 - Timer Recovery/Peer Receiver Busy/Reject Recovery - with one frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +REQ_1_IFRAME +SET_TIMER_REC !RNR		RNR0_NC(V_R)		P=0, set peer busy
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL86_II_SETUP				
Identifier:DL86_II_SETUP				
Objective:Special procedure used to place the IUT in test state 8.6 - Timer Recovery/Peer Receiver Busy/Own Busy - with one frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_1_IFRAME +SET_TIMER_REC_OBSY !RNR		RNR0_NC(V_R)		P=0, set peer busy
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL87_I1_SETUP				
Identifier:DL87_I1_SETUP				
Objective:Special procedure used to place the IUT in test state 8.7 - Timer Recovery/Peer Receiver busy/Reject Recovery and Own Busy - with one frame sent by IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +SET_OWN_BSY +REQ_1_IFRAME +SET_TIMER_REC_OBSY !RNR		RNR0_NC(V_R)		P=0, set peer busy
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL80_2I_SETUP				
Identifier:DL80_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 8.0 - Timer Recovery/Normal/Normal - with two frames sent by the IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_2_IFRAME +SET_TIMER_REC				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL81_2I_SETUP				
Identifier:DL81_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 8.1 - Timer Recovery/Normal/Reject Recovery - with two frames sent by the IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +REQ_2_IFRAME +SET_TIMER_REC				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL82_2I_SETUP				
Identifier:DL82_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 8.2 - Timer Recovery/Normal/Own Busy - with two frames sent by the IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_2_IFRAME +SET_TIMER_REC_OBSY				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL83_2I_SETUP				
Identifier:DL83_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 8.3 - Timer Recovery/Normal/Reject Recovery and Own Busy - with two frames sent by the IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +SET_OWN_BSY +REQ_2_IFRAME +SET_TIMER_REC_OBSY				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL84_2I_SETUP				
Identifier:DL84_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 8.4 - Timer Recovery/Peer Receiver Busy/Normal - with two frames sent by the IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+REQ_2_IFRAME +SET_TIMER_REC !RNR		RNR0_NC(V_R)		P=0, set peer busy
#				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL85_2I_SETUP				
Identifier:DL85_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 8.5 - Timer Recovery/Peer Receiver Busy/Reject Recovery - with two frames sent by the IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_REJ_REC(V_R) +REQ_2_IFRAME +SET_TIMER_REC !RNR		RNR0_NC(V_R)		P=0, set peer busy
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/DL86_2I_SETUP				
Identifier:DL86_2I_SETUP				
Objective:Special procedure used to place the IUT in test state 8.6 - Timer Recovery/Peer Receiver Busy/Own Busy - with two frames sent by the IUT.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+SET_OWN_BSY +REQ_2_IFRAME +SET_TIMER_REC_OBSY !RNR		RNR0_NC(V_R)		P=0, set peer busy
#				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour			
Reference: LAPD/LIBRARY/DL87_2I_SETUP			
Identifier: DL87_2I_SETUP			
Objective: Special procedure used to place the IUT in test state 8.7 - Timer Recovery/Peer Receiver Busy/Reject Recovery and Own Busy - with two frames sent by the IUT.			
Default:			
Behaviour Description	Label	Constraints Reference	V
+SET_REJ_REC(V_R) +SET_OWN_BSY +REQ_2_IFRAME +SET_TIMER_REC_OBSY !RNR		RNR0_NC(V_R)	
#			P=0, set peer busy
Extended Comments:			

..... Continued from previous page.

Extended Comments:

Test Step Dynamic Behaviour			
Reference: LAPD/LIBRARY/REQ_1_IFRAME			
Identifier: REQ_1_IFRAME			
Objective: Special procedure used to request that the IUT send 1 I frame and leave the I frame unacknowledged.			
Default:			
Behaviour Description	Label	Constraints Reference	V
<IUT!I> START Topr ?I # (V_S::=V_S+1) ?RR ?OTHERWISE ?TIMEOUT Topr	L000	IO_UC(V_S, V_R) RR1_UC(V_R)	 I I I
Extended Comments:			

Test Step Dynamic Behaviour			
Reference: LAPD/LIBRARY/REQ_K1_IFRAME			
Identifier: REQ_K1_IFRAME			
Objective: Special procedure used to request K I frames from the IUT and receive the first K I frames without acknowledging any.			
Default:			
Behaviour Description	Label	Constraints Reference	V
<IUT!I> (I_CNT:=0) START Topr ?I # (V_S:=V_S+1, I_CNT:= [I_CNT < K] GOTO L000 [I_CNT = K] ?RR ?OTHERWISE ?TIMEOUT Topr	L000	IO_UC(V_S, V_R) RR1_UC(V_R)	 I I I
Extended Comments:			

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LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/REQ_2_IFRAME				
Identifier:REQ_2_IFRAME				
Objective:Special procedure used to request that the IUT send 2 I frames and leave them unacknowledged.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<IUT!I> (I_CNT:=0) START Topr ?I # (V_S:=V_S+1,I_CNT:= [I_CNT < 2] GOTO L000 [I_CNT = 2] ?RR ?OTHERWISE ?TIMEOUT Topr	L000	I0_UC(V_S, V_R)		
Extended Comments:				
		RR1_UC(V_R)	I I I	P=1

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/SET_TIMER_REC				
Identifier:SET_TIMER_REC				
Objective:Special procedure used to place the IUT in Timer Recovery state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
START Td (N_S:=V_S-1) ?RR ?I # +DL70_UNEXPECTED GOTO L000 ?OTHERWISE ?TIMEOUT Td	L000	RR1_UC(V_R) I1_UC(N_S, V_R)		P=1, S8.0 P=1, S8.0
Extended Comments:				
			I I	

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/SET_PEER_BSY				
Identifier:SET_PEER_BSY (ACKNO:INTEGER)				
Objective:Special procedure used to place the IUT in Peer Receiver Busy condition.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RNR (V_A::=V_S)		RNRL_NC (ACKNO)		P=1,ACKNO=N (R)<=V(S) of IUT
#				
#				
START T200	L000	RNRL_UR(V_R) RR1_UR(V_R)		F=1 F=1
?RNR				
?RR				
+DL70_UNEXPECTED				
GOTO L000				
?OTHERWISE			I	
?TIMEOUT T200			I	
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/SET_REJ_REC				
Identifier:SET_REJ_REC (ACKNO:INTEGER)				
Objective:Special procedure used to place the IUT in Reject Recovery state.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(N_S::=V_R+1)		I1_NC(N_S, ACKNO)		P=1,ACKNO=N (R)<=V(S) of IUT
!I				
#				
#				
START T200	L000	REJL_UR(V_R) RR1_UC(V_R) RNRL_UC(V_R)	I	F=1 P=1 P=1
?REJ				
?RR				
?RNR				
+DL70_UNEXPECTED				
GOTO L000				
?OTHERWISE			I	
?TIMEOUT T200			I	
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/LIBRARY/SET_OWN_BSY				
Identifier:SET_OWN_BSY				
Objective:Procedure used to place the IUT in the Own Busy condition.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<IUT!RNR> START Topr ?RNR # +DL70_UNEXPECTED GOTO L000 ?OTHERWISE ?TIMEOUT Topr	L000	RNR0_UR(V_R)		F=0, N(R)=V (R)
Extended Comments:1) Test cases using this procedure can be tested only if IUT is capable of setting itself into Own Busy state.				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL10_PREAMBLE				
Identifier:DL10_PREAMBLE				
Objective:Procedure to bring the IUT into TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO][CAN_INIT_IDREQ] !UI_Mgmt [TRUE]		ID_Rmv(127)		
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL10S_PREAMBLE				
Identifier:DL10S_PREAMBLE				
Objective:Procedure used to place the IUT into TEI Unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[TEI_AUTO] !UI_Mgmt (RC::=0) START T202 (T202value+DELTA) ?TIMEOUT T202 ?UI_Mgmt [RC<=N202*3] (RC::=RC+1) GOTO L100 [RC>N202*3] # ?OTHERWISE +DL_POSTAMBLE [NOT (TEI_AUTO)] #	L100	ID_Rmv(127) ID_Req	 I (I) I	 Not stable in state 1 Test not run
Extended Comments:N202*3 assumes that a typical configuration of TE will set up 3 TEI numbers				

Test Step Dynamic Behaviour					
Reference:LAPD/PREAMBLE/DL20_PREAMBLE Identifier:DL20_PREAMBLE Objective:Procedure used to place the IUT into Assign Awaiting TEI state (2.0). Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
# #	[CAN_INIT_IDREQ] !UI_Mgmt !UI_Mgmt <IUT!UI_Mgmt>		ID_Rmw(127) ID_Rmw(127)		Initiate TEI ID Request
#R1)	START Topr ?UI_Mgmt (Ri_No::=UI_Mgmt. +DL10_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_INIT_IDREQ)]	L000	ID_Req	(I) (I) I	Continue with test
#					Test not run
Extended Comments:					

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Test Step Dynamic Behaviour					
Reference:LAPD/PREAMBLE/DL40_PREAMBLE					
Identifier:DL40_PREAMBLE					
Objective:Preamble to bring IUT into TEI Assigned state (state 4.0)					
Default:					
	Behaviour Description	Label	Constraints Reference	V	Comments
#	[STABLE_IN_STATE4]				
#	[NOT(IDLE_STATE4)]				
	!DISC		DISC_NC		Bring IUT to state 4. 0
	START T200				
	?UA	L000	UA1_UR		
	+DL40_UNEXPECTED			(I)	
	GOTO L000				
	?OTHERWISE			(I)	
	+DL_POSTAMBLE				
	?TIMEOUT T200				
	+DL_POSTAMBLE				
	[IDLE_STATE4]				Already in state 4
#	[NOT(STABLE_IN_STATE4)]			I	Test not run
#					

Extended Comments:A PIXIT question is used to determine if IUT can stay in state 4.0, and if state 4.0 can be tested.

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL50_PREAMBLE Identifier:DL50_PREAMBLE Objective:Procedure used to place the IUT in test state 5.0 - Awaiting Establishment/Establish.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(IDLE_STATE4) [CAN_INIT_SABME]				IUT can initiate link in state 4.0
<IUT!SABME>				Initiate Link Establishment Request
START T0pr ?SABME +DL40_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T0pr +DL_POSTAMBLE [NOT(CAN_INIT_SABME)]	L000	SABME1_UC		P=1
[NOT(IDLE_STATE4)] !DISC START T200 ?UA START Td ?SABME +DL70_UNEXPECTED GOTO L002 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE +DL70_UNEXPECTED GOTO L001 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L001 L002	DISC1_NC UAL_UR SABME1_UC	(I) (I) I (I) (I) (I) (I)	IUT can not initiate link P=1 F=1 P=1

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Behaviour Description	Label	Constraints Reference	V	Comments
Extended Comments:State 5.0 can not be tested if PIXIT selects state 4.0 as the MFO idle state and the IUT is unable to send SABME on demand.				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL51_PREAMBLE Identifier:DL51_PREAMBLE Objective:Procedure to use place the IUT in test state 5.1 - Awaiting Establishment/Re-establish.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !DM START Td ?SABME +DL70_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L000	DM0_NR SABME1_UC		F=0 P=1
Extended Comments:				
			(I) (I)	

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL60_PREAMBLE				
Identifier:DL60_PREAMBLE				
Objective:Procedure used to place the IUT in test state 6 - Awaiting Release.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_INIT_DISC] +DL70_PREAMBLE <IUT:DISC> # # START Topr ?DISC ?RR :RR GOTO L000 +DL70_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_INIT_DISC)] #	L000	DISC1_UC RR1_UC(V_R) RR1_NR(V_S)	(I) (I) I	Initiate Link Release Req P=1 P=1 F=1 Test not run
Extended Comments:A PIXIT question is used to determine if the IUT is able to send DISC/P=1 on request, and if state 6.0 test cases can be tested.				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL70_PREAMBLE				
Identifier:DL70_PREAMBLE				
Objective:Procedure used to place the IUT in test state 7.0 - Multiple Frame Established/Normal/Normal.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!SABME START T200 ?UA (V_R:=0,V_S:=0,V_A:=0) +DL70_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L000	SABME1_NC UA1_UR	 (I) (I)	P=1 F=1
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL71_PREAMBLE				
Identifier:DL71_PREAMBLE				
Objective:Procedure used to place the IUT in test state 7.1 - Multiple Frame Established/Normal/Reject Recovery.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE (N_S:=V_R+1) ! I (V_A:=V_S)		IL_NC(N_S, V_S)		P=1,N(S)<>V (R),N(R)=V (S) of IUT
#				F=1
#				
START T200 ?REJ +DL70_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L000	REJ1_UR(V_R)	(I) (I)	
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL72_PREAMBLE				
Identifier:DL72_PREAMBLE				
Objective:Procedure used to place the IUT in test state 7.2 - Multiple Frame Established/Normal/Own Busy.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL70_PREAMBLE <IUT!RNR>				Set Own Busy
#				
START Topr ?RNR	L000	RNR0_UR(V_R)		F=0, N(R)=V (R)
#		RNR0_UC(V_R)		P=0,N(R)=V (R)
#				
+DL70_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE [NOT(CAN_TEST_OWN_BUSY)]			(I) (I)	
#			I	Test not run
Extended Comments:Test cases in this state can be tested only if IUT is capable of setting itself into Own Busy state.				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL73_PREAMBLE				
Identifier:DL73_PREAMBLE				
Objective:Procedure used to place the IUT in test state 7.3 Multiple Frame Established/Normal/Reject Recovery and Own Busy.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL71_PREAMBLE <IUT:RNR>				Set Own Busy
# START Topr ?RNR		RNR0_UR(V_R)		F=0,N(R)=V (R)
# ?RNR	L000	RNR0_UC(V_R)		P=0,N(R)=V (R)
# +DL71_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Topr +DL_POSTAMBLE {NOT(CAN_TEST_OWN_BUSY)}			(I)	
#			(I)	
#			I	Test not run
Extended Comments:Test cases in this state can be tested only when IUT is capable of setting itself into Own Busy state.				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL74_PREAMBLE				
Identifier:DL74_PREAMBLE				
Objective:Procedure used to place the IUT in the test state 7.4 - Multiple Frame Established/Peer Receiver Busy/Normal.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RNR (V_A::=V_S)		RNR1_NC(V_S)		P=1,N(R)=V (S) of IUT
# START T200 ?RR +DL70_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L000	RRL_UR(V_R)	(I)	F=1
			(I)	
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL75_PREAMBLE				
Identifier:DL75_PREAMBLE				
Objective:Procedure used to place the IUT in the test state 7.5 - Multiple Frame Established/Peer Receiver Busy/Reject Recovery.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE (N_S::=V_R+1) ! I (V_A::=V_S)		IL_NC(N_S, V_S)		P=1.N(S)<>V (R).N(R)=V (S) of IUT F=1
# # START T200 ?REJ +DL74_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L000	REJ1_UR(V_R)	(I) (I)	
Extended Comments:				

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LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL76_PREAMBLE				
Identifier:DL76_PREAMBLE				
Objective:Procedure used to place the IUT in test state 7.6 - Multiple Frame Established/Peer Receiver Busy/Own Busy.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL72_PREAMBLE !RNR (V_A::=V_S)		RNR1_NC(V_S)		P=1.N(R)=V (S) of IUT F=1
# START T200 ?RNR +DL72_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_TEST_OWN_BUSY)]	L000	RNR1_UR(V_R)	(I) (I)	
#			I	Test not run
Extended Comments:Test cases in this state are executed only when IUT is capable of setting itself into Own Busy state.				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL77_PREAMBLE				
Identifier:DL77_PREAMBLE				
Objective:Procedure used to place the IUT in test state 7.7 - Multiple Frame Established/Peer Receiver Busy/Reject Recovery and Own Busy.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL73_PREAMBLE !RNR (V_A:=V_S)		RNR1_NC(V_S)		P=1,N(R)=V (S) of IUT
# START T200 ?RNR +DL73_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE [NOT(CAN_TEST_OWN_BUSY)]	L000	RNR1_UR(V_R)		F=1
			(I)	
			(I)	
			I	Test not run
Extended Comments:Test cases in this state are executed only when IUT is capable of setting itself into Own Busy state.				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL80_PREAMBLE				
Identifier:DL80_PREAMBLE				
Objective:Procedure used to place the IUT in test state 8.0 - Timer Recovery/Normal/Normal.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE START T200 (T200value+DELTA) ?RR !RR +DL74_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L000	RR1_UC(V_R) RR0_NR(V_S)		P=1 F=0
			(I)	
			(I)	
Extended Comments:				

[illegible]

Test Step Dynamic Behaviour				
Reference: LAPD/PREAMBLE/DL84_PREAMBLE				
Identifier: DL84_PREAMBLE				
Objective: Procedure used to place the IUT in test state 8.4 - Timer Recovery/Peer Receiver Busy/Normal.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL74_PREAMBLE				
START T200 (T200value+DELTA)				
?RR	L000	RR1_UC(V_R)		P=1
+DL74_UNEXPECTED				
GOTO L000				
?OTHERWISE			(I)	
+DL_POSTAMBLE				
?TIMEOUT T200			(I)	
+DL_POSTAMBLE				
Extended Comments:				

Test Step Dynamic Behaviour					
Reference:LAPD/PREAMBLE/DL85_PREAMBLE Identifier:DL85_PREAMBLE Objective:Procedure used to place the IUT in test state 8.5 - Timer Recovery/peer Receiver Busy/Reject Recovery.					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
+DL71_PREAMBLE !RNR(V_A:=V_S) START T200 ?RR		RNR1_NC(V_S)		P=1	
?RR START T200 (T200value+DELTA)	L000	RR1_UR(V_R)		F=1	
?RR +DL74_UNEXPECTED GOTO L001 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE +DL71_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT T200 +DL_POSTAMBLE	L001	RR1_UC(V_R)	(I)	P=1	
			(I)		
			(I)		
			(I)		
Extended Comments:					

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL86_PREAMBLE Identifier:DL86_PREAMBLE Objective:Procedure used to place the IUT in test state 8.6 - Timer Recovery/Peer Receiver Busy/Own Busy. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL76_PREAMBLE START Td ?RNR +DL76_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_TEST_OWN_BUSY)] #	L000	RNR1_UC(V_R)	(I) (I) I	P=1 Test not run
Extended Comments:Test cases in this state are executed only when (i) IUT is capable of setting itself into Own Busy state and (ii) IUT either has implemented T203 or is capable of sending I frame on request.				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL87_PREAMBLE Identifier:DL87_PREAMBLE Objective:Procedure used to place the IUT in test state 8.7 - Timer Recovery/Peer Receiver Busy/Reject Recovery and Own Busy Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[CAN_TEST_OWN_BUSY] +DL77_PREAMBLE START Td ?RNR +DL77_UNEXPECTED GOTO L000 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE [NOT(CAN_TEST_OWN_BUSY)] #	L000	RNR1_UC(V_R)	(I) (I) I	P=1 Test not run
Extended Comments:Test cases in this state are executed only when (i) IUT is capable of setting itself into Own Busy state and (ii) IUT either has implemented T203 or is capable of sending I frame on request.				

Test Step Dynamic Behaviour				
Reference:LAPD/PREAMBLE/DL74S_PREAMBLE Identifier:DL74S_PREAMBLE Objective:Procedure to place the IUT in Multiple Frame Established Peer Busy State (7.4) Using RNR/F=0. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+DL70_PREAMBLE !RNR START Td ?RR !RNR +DL74_UNEXPECTED GOTO L740 ?OTHERWISE +DL_POSTAMBLE ?TIMEOUT Td +DL_POSTAMBLE	L740	RNR0_NR(V_S) RRL_UC(V_R) RNR1_NR(V_S)	(I) (I)	P=0 P=1 F=1
Extended Comments:				

Test Step Dynamic Behaviour				
Reference: LAPD/VERIFICATION/DL40_ID_VERIFICATION				
Identifier: DL40_ID_VERIFICATION				
Objective: Responds to the IUT's ID_Verify_Request with an ID_Check_Response. Test will then expect an ID_Check_Response from the IUT. The subtree, DL40_VERIFICATION, ensures that the IUT remains in State 4.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!UI_Mgmt		ID_chk_req (TEI_N)		Send ID Check Req
# START T202 ?UI_Mgmt	L000	ID_chk_resp (TEI_N)	(P)	
# +DL40_VERIFICATION +DL40_UNEXPECTED GOTO L000 ?OTHERWISE ?TIMEOUT T202			(F) (F)	No response
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL50_ID_VERIFICATION				
Identifier:DL50_ID_VERIFICATION				
Objective:Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL50_VERIFICATION, ensures that the IUT remains in State 5.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!UI_Mgmt		ID_chk_req (TEI_N)		Send ID Check Req
# START T202 ?UI_Mgmt	L000	ID_chk_resp (TEI_N)	(P)	
# +DL50_VERIFICATION +DL50_UNEXPECTED GOTO L000 ?OTHERWISE ?TIMEOUT T202			(F) (F)	No response
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL60_ID_VERIFICATION				
Identifier:DL60_ID_VERIFICATION				
Objective:Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL60_VERIFICATION, ensures that the IUT remains in State 6.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!UI_Mgmt		ID_chk_req (TEI_N)		Send ID Check Req
# START T202 ?UI_Mgmt	L000	ID_chk_resp (TEI_N)	(P)	
# +DL60_VERIFICATION +DL60_UNEXPECTED GOTO L000 ?OTHERWISE ?TIMEOUT T202			(F) (F)	No response
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL70_ID_VERIFICATION Identifier:DL70_ID_VERIFICATION Objective:Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL70_VERIFICATION, ensures that the IUT remains in State 7. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!UI_Mgmt # START T202 ?UI_Mgmt # +DL70_VERIFICATION +DL70_UNEXPECTED GOTO L000 ?OTHERWISE ?TIMEOUT T202	L000	ID_chk_req (TEI_N) ID_chk_resp (TEI_N)	 (F) (F) (F)	Send ID Check Req No response
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL74_ID_VERIFICATION Identifier:DL74_ID_VERIFICATION Objective:Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL74_VERIFICATION, ensures that the IUT remains in State 7.4. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!UI_Mgmt # START T202 ?UI_Mgmt # +DL74_VERIFICATION +DL74_UNEXPECTED GOTO L000 ?OTHERWISE ?TIMEOUT T202	L000	ID_chk_req (TEI_N) ID_chk_resp (TEI_N)	 (P) (F) (F)	Send ID Check Req No response
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL80_ID_VERIFICATION				
Identifier:DL80_ID_VERIFICATION				
Objective:Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL80_VERIFICATION, ensures that the IUT remains in State 8.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!UI_Mgmt		ID_chk_req (TEI_N)		Send ID Check Req
# START T202 ?UI_Mgmt	L000	ID_chk_resp (TEI_N)	(P)	
+DL80_VERIFICATION +DL80_UNEXPECTED GOTO L000 ?OTHERWISE ?TIMEOUT T202			(F) (F)	No response
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL84_ID_VERIFICATION				
Identifier:DL84_ID_VERIFICATION				
Objective:Responds to the IUT's ID_Verify_Request with an ID_Check_Request. Test will then expect an ID_Check_Response from the IUT. The subtree, DL84_VERIFICATION, ensures that the IUT remains in State 8.4.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!UI_Mgmt		ID_chk_req (TEI_N)		Send ID Check Req
# START T202 ?UI_Mgmt	L000	ID_chk_resp (TEI_N)	(P)	
+DL84_VERIFICATION +DL84_UNEXPECTED GOTO L000 ?OTHERWISE ?TIMEOUT T202			(F) (F)	No response
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL10_VERIFICATION				
Identifier:DL10_VERIFICATION				
Objective:Procedure to verify that the IUT has removed the assigned TEI number and is in TEI unassigned state (1.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!SABME START T200 ?UI_Mgmt ?OTHERWISE ?TIMEOUT T200		SABME_NC ID_Req	(F) (F)	Use TEI_N
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL20_VERIFICATION				
Identifier:DL20_VERIFICATION				
Objective:Verify that the IUT is in Assign Awaiting TEI state (2.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
START T202 (T202value+DELTA) ?UI_Mgmt +DL20_UNEXPECTED GOTO L200 ?TIMEOUT T202 ?OTHERWISE	L200	ID_Req	(P) (F) (F)	
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL40_VERIFICATION				
Identifier:DL40_VERIFICATION				
Objective:Verify that IUT is in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!DISC START T200 ?DM !DM START T200 ?SABME +DL40_UNEXPECTED GOTO L401 ?TIMEOUT T200 ?OTHERWISE +DL40_UNEXPECTED GOTO L400 ?OTHERWISE ?TIMEOUT T200	L400 L401	DISC1_NC DM1_UR DM0_NR SABME1_UC	 (P) (F) (F) (F)	P=1 F=1 F=0 P=1
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL50_VERIFICATION				
Identifier:DL50_VERIFICATION				
Objective:Verify that IUT is in Awaiting Establishment state (5.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!DM START T200 (T200value-DELTA) ?TIMEOUT T200 !UA (V_S:=0,V_R:=0,V_A:=0) START Td ?TIMEOUT Td !RR START T200 ?RR +DL70_UNEXPECTED GOTO L502 ?OTHERWISE ?TIMEOUT T200 +DL50_UNEXPECTED GOTO L501 ?OTHERWISE +DL50_UNEXPECTED GOTO L500 ?OTHERWISE	L500 L501 L502	DM0_NR UA1_NR RR1_NC(V_S) RR1_UR(V_R)	 (F) (F) (F) (F)	F=0 F=1 P=1 F=1
Extended Comments:				

[illegible]

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL60_VERIFICATION Identifier:DL60_VERIFICATION Objective:Verify that IUT is in the Awaiting Release state (6.0). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!SABWE START T200 ?DM !DISC START T200 ?UA +DL60_UNEXPECTED GOTO L601 ?OTHERWISE ?TIMEOUT T200	L600	SABWE1_NC DM1_UR DISC1_NC		P=1 P=1 P=1
?DISC GOTO L600 +DL60_UNEXPECTED GOTO L600 ?OTHERWISE ?TIMEOUT T200	L601	UA1_UR DISC1_UC	(F) (F)	P=1
Extended Comments:				

Test Step Dynamic Behaviour				
Reference: LAPD/VERIFICATION/DL71_VERIFICATION				
Identifier: DL71_VERIFICATION				
Objective: Verify that the IUT is in Multiple Frame Established state (7.1)				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(N_S:=V_R+1) ! I		I1_NC (N_S, V_S)		P=1 V(S)<>V (R), N(R)=V (S)
#				F=1
#				
START T200	L710	RR1_UR (V_R)		
?RR				
START T200	L711		(F)	
?TIMEOUT T200				
+DL71_UNEXPECTED				
GOTO L711				
?OTHERWISE				
+DL71_UNEXPECTED				
GOTO L710				
?OTHERWISE				
?TIMEOUT T200			(F)	

Extended Comments:

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL72_VERIFICATION				
Identifier:DL72_VERIFICATION				
Objective:Verify that the IUT is in Multiple Frame Established state (7.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RR START T200 ?RNR START T200 ?TIMEOUT T200 +DL72_UNEXPECTED GOTO L721 ?OTHERWISE +DL72_UNEXPECTED GOTO L720 ?OTHERWISE ?TIMEOUT T200	L720 L721	RR1_NC(V_S) RNR1_UR(V_R)		P=1 F=1
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL73_VERIFICATION				
Identifier:DL73_VERIFICATION				
Objective:Verify that the IUT is in Multiple Frame Established state (7.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RR START T200 ?RNR START T200 ?TIMEOUT T200 +DL73_UNEXPECTED GOTO L721 ?OTHERWISE +DL73_UNEXPECTED GOTO L720 ?OTHERWISE ?TIMEOUT T200	L720 L721	RR1_NC(V_S) RNR1_UR(V_R)		P=1 F=1
Extended Comments:				

LAPD Conformance Testing

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL74_VERIFICATION				
Identifier:DL74_VERIFICATION				
Objective:Verify that the IUT is in Multiple Frame Established state (7.4)				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(N_S:=V_R+1) !I		IL_NC(N_S, V_S)		P=1 V(S) <>V (R),N(R)=V (S)
# # START T200 ?REJ START T200 ?RR +DL75_UNEXPECTED GOTO L741 ?OTHERWISE ?TIMEOUT T200 +DL74_UNEXPECTED GOTO L740 ?OTHERWISE ?TIMEOUT T200	L740 L741	REJL_UR(V_R) RR1_UC(V_R)		F=1 P=1
Extended Comments:				

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Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL75_VERIFICATION				
Identifier:DL75_VERIFICATION				
Objective:Verify that the IUT is in Multiple Frame Established state (7.5).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(N_S:=V_R+1) !I		IL_NC(N_S, V_S)		P=1 V(S) <>V (R),N(R)=V (S)
# # START T200 ?RR START T200 ?RR +DL75_UNEXPECTED GOTO L751 ?OTHERWISE ?TIMEOUT T200 +DL75_UNEXPECTED GOTO L750 ?OTHERWISE ?TIMEOUT T200	L750 L751	RR1_UR(V_R) RR1_UC(V_R)		F=1 P=1
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL76_VERIFICATION				
Identifier:DL76_VERIFICATION				
Objective:Verify that the IUT is in Multiple Frame Established state (7.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RR START T200 ?RNR START T200 ?TIMEOUT T200 +DL76_UNEXPECTED GOTO L761 ?OTHERWISE +DL76_UNEXPECTED GOTO L760 ?OTHERWISE ?TIMEOUT T200	L760 L761	RR1_NC(V_S) RNR1_UR(V_R)		P=1 F=1
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL77_VERIFICATION				
Identifier:DL77_VERIFICATION				
Objective:Verify that the IUT is in Multiple Frame Established state (7.7).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RR START T200 ?RNR START T200 ?TIMEOUT T200 +DL73_UNEXPECTED GOTO L771 ?OTHERWISE +DL77_UNEXPECTED GOTO L770 ?OTHERWISE ?TIMEOUT T200	L770 L771	RR1_NC(V_S) RNR1_UR(V_R)		P=1 F=1
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL80_VERIFICATION				
Identifier:DL80_VERIFICATION				
Objective:Verify that the IUT is in Timer Recovery state (8.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(N_S:=V_R+1)		IL_NC(N_S, V_S)		P=1 V(S)<>V(R),N(R)=V(S)
#				
#				
START T200				
?REJ				
START T200	L800	REJ1_UR(V_R)		F=1
?RR				
+DL81_UNEXPECTED				
GOTO L801	L801	RR1_UC(V_R)		P=1
?OTHERWISE				
?TIMEOUT T200				
+DL80_UNEXPECTED				
GOTO L800				
?OTHERWISE				
?TIMEOUT T200				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL81_VERIFICATION				
Identifier:DL81_VERIFICATION				
Objective:Verify that the IUT is in Timer Recovery state (8.1).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(N_S:=V_R+1)		IL_NC(N_S, V_S)		P=1 V(S)<>V(R),N(R)=V(S)
:I				
#				
#				
START T200				
?RR				
START T200	L810	RR1_UR(V_R)		F=1
?RR				
+DL81_UNEXPECTED				
GOTO L811	L811	RR1_UC(V_R)		P=1
?OTHERWISE				
?TIMEOUT T200				
+DL81_UNEXPECTED				
GOTO L810				
?OTHERWISE				
?TIMEOUT T200				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL82_VERIFICATION				
Identifier:DL82_VERIFICATION				
Objective:Verify that the IUT is in Timer Recovery state (8.2).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RR START T200 ?RNR START T200	L820	RRI_NC(V_S)		P=1
?RNR +DL82_UNEXPECTED GOTO L821 ?OTHERWISE ?TIMEOUT T200	L821	RNR1_UR(V_R)	(F)	P=1
+DL82_UNEXPECTED GOTO L820 ?OTHERWISE ?TIMEOUT T200		RNR1_UC(V_R)	(F)	P=1

Extended Comments:

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL83_VERIFICATION				
Identifier:DL83_VERIFICATION				
Objective:Verify that the IUT is in Timer Recovery state (8.3).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RR START T200 ?RNR		RR1_NC(V_S)		P=1
START T200 ?RNR	L830	RNR1_UR(V_R)		P=1
?RNR +DL83_UNEXPECTED GOTO L831 ?OTHERWISE ?TIMEOUT T200 +DL83_UNEXPECTED GOTO L830 ?OTHERWISE ?TIMEOUT T200	L831	RNR1_UC(V_R)	(F) (F) (F) (F)	P=1

Extended Comments:

Test Step Dynamic Behaviour					
Reference:LAPD/VERIFICATION/DL84_VERIFICATION					
Identifier:DL84_VERIFICATION					
Objective:Verify that the IUT is in Timer Recovery state (8.4).					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
(N_S:=V_R+1) ! I # #		I1_NC(N_S, V_S)		P=1 V(S)<>V (R),N(R)=V (S)	
START T200 ?REJ	L840	REJ1_UR(V_R)		F=1	
START T200 ?RR +DL85_UNEXPECTED GOTO L841 ?OTHERWISE ?TIMEOUT T200 +DL84_UNEXPECTED GOTO L840 ?OTHERWISE ?TIMEOUT T200	L841	RR1_UC(V_R)		P=1	
Extended Comments:					
			(F)		
			(F)		
			(F)		
			(F)		

Test Step Dynamic Behaviour					
Reference:LAPD/VERIFICATION/DL85_VERIFICATION					
Identifier:DL85_VERIFICATION					
Objective:Verify that the IUT is in Timer Recovery state (8.5).					
Default:					
Behaviour Description	Label	Constraints Reference	V	Comments	
(N_S:=V_R+1) ! I # #		I1_NC(N_S, V_S)		P=1 V(S)<>V (R),N(R)=V (S)	
START T200 ?RR	L850	RR1_UR(V_R)		F=1	
START T200 ?RR +DL85_UNEXPECTED GOTO L851 ?OTHERWISE ?TIMEOUT T200 +DL85_UNEXPECTED GOTO L850 ?OTHERWISE ?TIMEOUT T200	L851	RR1_UC(V_R)		P=1	
			(F)		
			(F)		
			(F)		
			(F)		
Extended Comments:					

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL86_VERIFICATION				
Identifier:DL86_VERIFICATION				
Objective:Verify that the IUT is in Timer Recovery state (8.6).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RR		RRL_NC(V_S)		P=1
START T200				
?RNR	L860	RNR1_UR(V_R)		F=1
START T200				
?RNR	L861	RNR1_UC(V_R)		P=1
+DL82_UNEXPECTED				
GOTO L861			(F)	
?OTHERWISE			(F)	
?TIMEOUT T200				
+DL86_UNEXPECTED				
GOTO L860			(F)	
?OTHERWISE			(F)	
?TIMEOUT T200				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL87_VERIFICATION				
Identifier:DL87_VERIFICATION				
Objective:Verify that the IUT is in Timer Recovery state (8.7).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RR		RRL_NC(V_S)		P=1
START T200				
?RNR	L870	RNR1_UR(V_R)		F=1
START T200				
?RNR	L871	RNR1_UC(V_R)		P=1
+DL83_UNEXPECTED				
GOTO L871			(F)	
?OTHERWISE			(F)	
?TIMEOUT T200				
+DL87_UNEXPECTED				
GOTO L870			(F)	
?OTHERWISE			(F)	
?TIMEOUT T200				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL40S_VERIFICATION				
Identifier:DL40S_VERIFICATION				
Objective:Procedure used to verify that the IUT is in TEI Assigned state (4.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
START Td				
?TIMEOUT Td	L400			
!DISC START T1				
?DM	L401	DISC1_NC DM1_UR		P=1 F=1
+DL40_UNEXPECTED				
GOTO L401				
?OTHERWISE				
?TIMEOUT T1				
?SABME[NOT (IDLE_STATE4)]		SABME1_UC	(F)	P=1, state 4 not stabl e.
#				
#				
!DM				
+DL40_UNEXPECTED				
GOTO L400				
?OTHERWISE		DM1_NR	(F)	F=1
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/VERIFICATION/DL70S_VERIFICATION				
Identifier:DL70S_VERIFICATION				
Objective:Procedure used to verify that the IUT is in Multiple Frame Established state (7.0).				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!I				
(V_R:=V_R+1)		IN10_NC(V_R,V_S)		P=0, Release
?RR START T1	L700	RR0_UR(V_R)		F=0
?I	L701	IN20_UC(V_S,V_R)		P=0, Rel Comp
(V_S:=V_S+1)				
!RR		RR0_NR(V_S)		F=0
+DL70_UNEXPECTED				
GOTO L701			(F)	
?OTHERWISE				
+DL_POSTAMBLE				
?TIMEOUT T1				
+DL_POSTAMBLE				
+DL70_UNEXPECTED				
GOTO L700				
?OTHERWISE				
+DL_POSTAMBLE			(F)	
?TIMEOUT T200				
+DL_POSTAMBLE			(F)	
Extended Comments:Executed only on IUTs with Q.931 software present.				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL10_UNEXPECTED				
Identifier:DL10_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL20_UNEXPECTED				
Identifier:DL20_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL40_UNEXPECTED				
Identifier:DL40_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				

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Extended Comments:

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL50_UNEXPECTED				
Identifier:DL50_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL51_UNEXPECTED				
Identifier:DL51_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL60_UNEXPECTED				
Identifier:DL60_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL70_UNEXPECTED				
Identifier:DL70_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL71_UNEXPECTED				
Identifier:DL71_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				

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Extended Comments:

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL72_UNEXPECTED				
Identifier:DL72_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL73_UNEXPECTED				
Identifier:DL73_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL74_UNEXPECTED				
Identifier:DL74_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL75_UNEXPECTED				
Identifier:DL75_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL76_UNEXPECTED				
Identifier:DL76_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				

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Extended Comments:

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL77_UNEXPECTED				
Identifier:DL77_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL80_UNEXPECTED				
Identifier:DL80_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL81_UNEXPECTED				
Identifier:DL81_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL82_UNEXPECTED				
Identifier:DL82_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL83_UNEXPECTED				
Identifier:DL83_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				

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Extended Comments:

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL84_UNEXPECTED				
Identifier:DL84_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL85_UNEXPECTED				
Identifier:DL85_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID		XID0_UC		XID may not have text
#				
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL86_UNEXPECTED				
Identifier:DL86_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID #		XID0_UC		XID may not have text
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:LAPD/UNEXPECTED/DL87_UNEXPECTED				
Identifier:DL87_UNEXPECTED				
Objective:To handle all acceptable unexpected messages				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?XID #		XID0_UC		XID may not have text
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/POSTAMBLE/DL_POSTAMBLE				
Identifier:DL_POSTAMBLE				
Objective:Procedure used to return the IUT to the selected 'idle state'. Depending on the value of test suite parameter IDLE_STATE4, it will call either DL4_POSTAMBLE or DL7_POSTAMBLE to set the IUT to state 4.0 or 7.0. This routine is executed at the end of all test cases for Multiple Frame Operations.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[IDLE_STATE4] +DL4_POSTAMBLE [NOT(IDLE_STATE4)] +DL7_POSTAMBLE				
Extended Comments:This postamble should be executed at the end of every test case for Multiple Frame Operation (states 4.0 -- 8.7).				

Test Step Dynamic Behaviour				
Reference: LAPD/POSTAMBLE/DL4_POSTAMBLE				
Identifier: DL4_POSTAMBLE				
Objective: Procedure used to return the IUT to TEI Assigned state (4.0) at the end of a test case for Multiple Frame Operations. This routine is executed when the test suite parameter IDLE_STATE4 is true.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
START T200 (T200value+DELTA)	L000	SABME1_UC DM1_NR DISC1_UC DM1_NR RR1_UC(V_R) DISC1_NC	R R R R R R	P=1 F=1 P=1 F=1 P=1 P=1
?SABME !DM ?DISC !DM ?RR !DISC START T200 ?UA +DL40_UNEXPECTED GOTO L001 ?OTHERWISE GOTO L001 ?TIMEOUT T200	L001	UA1_UR	R	F=1
# ?RNR !DISC START T200 ?UA +DL40_UNEXPECTED GOTO L002 ?OTHERWISE GOTO L002 ?TIMEOUT T200	L002	RNR1_UC(V_R) DISC1_NC UA1_UR	R R R	User action required P=1 P=1 F=1
?UI_Mgmt (Ri_No::=UI_Mgmt.Ri)		ID_Req	R	User action required TEI was previously removed, attempting to assign to assign Assign TEI
# # # # # # !UI_Mgmt +DL40_UNEXPECTED GOTO L000 ?OTHERWISE		ID_Assign (Ri_No)	R	

[3]

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[2]

Behaviour Description	Label	Constraints Reference	V	Comments
GOTO L000 ?TIMEOUT T200				No action from IUT. Try to disconnect P=1
# # # !DISC START T200 ?UA ?DM +DL40_UNEXPECTED GOTO L003 ?OTHERWISE GOTO L003 ?TIMEOUT T200	L003	DISC1_NC UA1_UR DM1_UR	R R R	F=1 F=1
# # #			R	no response from IUT. User action required
Extended Comments:				

LAPD Conformance Testing

Test Step Dynamic Behaviour				
Reference:LAPD/POSTAMBLE/DL7_POSTAMBLE				
Identifier:DL7_POSTAMBLE				
Objective:Procedure used to return the IUT to Multiple Frame Established state (7.0) at the end of a test case for Multiple Frame Operations. This routine is executed when the test suite parameter IDLE_STATE4 is false.				
Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
START T200 (T200value+DELTA)	L000	SABME1_UC	R	P=1
?SABME		UAL_NR		F=1
!UA		DISC1_UC		P=1
?DISC		DM1_NR		F=1
!DM	L001	SABME1_UC	R	P=1
START Td		UAL_NR		F=1
?SABME				
!UA				
+DL70_UNEXPECTED			R	User action required
GOTO L001				
?OTHERWISE				
GOTO L001				
?TIMEOUT Td	L002	RR1_UC(V_R)	R	P=1
?RR		SABME1_NC		P=1
!SABME		UAL_UR		F=1
START T200				
?UA			R	User action required
+DL70_UNEXPECTED				
GOTO L002				
?OTHERWISE				
GOTO L002	L003	RNR1_UC(V_R)	R	P=1
?TIMEOUT T200		SABME1_NC		P=1
?RNR		UAL_UR		F=1
!SABME				
START T200			R	User action required
?UA				
+DL70_UNEXPECTED				
GOTO L003				
?OTHERWISE			R	User action required
GOTO L003				
?TIMEOUT T200				
?UI_Mgmt (Ri_No::=UI_Mgmt.Ri)		ID_Req		TEI was

[3]

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LAPD Conformance Testing

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[4]

Behaviour Description	Label	Constraints Reference	V	Comments
!UI_Mgmt	L004	ID_Assign (Ri_No)	R	Removed. Attempting to assign
!SABME		SABME1_NC		P=1
START T200		UAL_UR		P=1
?UA				
+DL70_UNEXPECTED			R	User action required
GOTO L004				
?OTHERWISE				
GOTO L004				
?TIMEOUT T200	L005	SABME1_NC	R	No response from IUT. Try to disconnect
+DL70_UNEXPECTED		UAL_UR		P=1
GOTO L005				F=1
?OTHERWISE				
GOTO L005			R	No response from IUT. User action required
?TIMEOUT T200				
!SABME				
START T200				
?UA			R	
+DL70_UNEXPECTED				
GOTO L005				
?OTHERWISE				
GOTO L005			R	
?TIMEOUT T200				
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+DL70_UNEXPECTED				
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GOTO L005			R	
?TIMEOUT T200				
!SABME				
START T200				
?UA				

APPENDIX I (Informative)

A Method for Implementing Test Cases

I.1 Introduction

The following appendix describes a method for the implementation of test cases. It is possible to use this method to simplify the implementation and maintenance of test cases. The method, referred here as the Test Grouping Method, takes advantage of the similarities within test case bodies in order to develop test cases on a tester in a more efficient manner.

The implementation method discussed in this appendix does not preclude the use of other means of organizing the test suite. Appendix II, "A Method for Minimizing Run-Time of Test Cases," discusses a test case execution method.

In section I.1.1 of this appendix, the method of grouping test cases is described. An example is provided in section I.2. The Grouping Method is illustrated for state 7.0 test cases of the LAPD Protocol Test Suite.

I.1.1 Description

The present document contains the abstract conformance test suite for the LAPD protocol described in a form independent of any tester. However, there are means to facilitate the implementation and maintenance of the test cases. One such method is the Grouping Method. This method is designed for the implementation of test cases and is independent of the method selected for executing the test cases.

A "Group" (of test cases) is a set of test cases with identical or similar test bodies. The criteria for establishing a Group is that all test cases in the Group have an identical test body (including identical PDU Constraints), or that a significant part of it is similar. The primary objective is to select the Group such that the test body is implementable as a single procedure on the tester. One possible Group could be all of the test cases whose test bodies consist of the tester sending PDUx and the IUT responding with PDUy. Test cases DL70_V08 to DL77_V08 are examples of such a Group. In each of the test cases, the tester sends a SABME and the IUT is expected to respond with a UA. All of these test cases have an identical test body; the only difference is in the test state.

The Grouping Method is used in the following manner:

1. all test cases with identical or similar test bodies, as defined above, are captured in a Group.
2. one common test body is implemented on the tester for the entire Group. The test body is implemented as a procedure (subroutine). Each test case within the Group refers to the common test body via a procedure (subroutine) call.
3. each test case in the Group is implemented as described in DIS ISO 9646-3, namely:

Test_Case

+Preamble
+TestBody
+Postamble

Each TTCN subtree is implemented as a procedure (subroutine). Every test case in the Group makes use of the common subtree TestBody. In addition, the TestBody can be implemented with parameters to provide additional flexibility.

The Grouping Method is a beneficial implementation strategy. First, the method itself is compliant with DIS 9646. Once test cases are grouped, the structure in DIS 9646 is used as the base structure for implementing the test cases. Namely, test cases consist of references to three modules, the Preamble, (different for each test case in the Group), the TestBody (common to all test cases in the Group) and the Postamble.

Secondly, the most significant benefit is the potential savings in test case implementation. Since common test bodies are shared by many test cases, duplication of code on the tester is avoided.

Finally, maintenance of the test suite is simplified because there is a smaller number of common test bodies. In the event that updates are made to the protocol, changes to the implementation will typically consist of modifying a selected number of test bodies rather than a larger set of test cases.

I.2 Example

In this section, the test grouping method is illustrated for state 7.0 test cases defined for the LAPD protocol in this document.

Table I.1 below provides a description of one possible grouping of test cases. The table is read as follows:

- the first column, "Group," is a group reference number.
- the second column, "Test Case Number," is the test case identification of those making up the Group. The "7x" is an indication that the grouping method is used.
- the third column, "Applicable States," indicates which states use the common test body. For example, the first entry in the table, "0,1,...,7" indicates that test cases DL70_V01, DL71_V01,... DL77_V01 share a common test body and, therefore form a Group.
- the last column is a count of the number of test cases in the Group.

Group	Test Case Number	Applicable States (x)	Number of Test Cases in Group
1	DL7x_V01	0,1,...,7	8
2	DL7x_V03	0,1,...,7	8
3	DL7x_V04	0,1,...,7	8
4	DL7x_V08	0,1,...,7	8
5	DL7x_V10	0,1,...,7	8
6	DL7x_V11	0,1,...,7	8
7	DL7x_V12	0,1,...,7	8
8	DL7x_V13	0,1,...,7	8
9	DL7x_V14	0,1,...,7	8
10	DL7x_V15	0,1,...,7	8
11	DL7x_V20	0,1,4,5	4
12	DL7x_v20	2,3,6,7	4
13	DL7x_V21	0,1,...,7	8
14	DL7x_I01	0,1,...,7	8
15	DL7x_V23	0,1,...,7	8
16	DL7x_V24	0,1,4,5	4
17	DL7x_V24	2,3,6,7	4
18	DL7x_V25	0,1,...,7	8
19	DL7x_I02	0,1,...,7	8
20	DL7x_V26	0,1,...,7	8
21	DL7x_V27	0,1,4,5	4
22	DL7x_V27	2,3,6,7	4
23	DL7x_V28	0,1,...,7	8
24	DL7x_I03	0,1,...,7	8
25	DL7x_V29	0,1,...,7	8
26	DL7x_N01	0,1,4,5	4
27	DL7x_N01	2,3,6,7	4
28	DL7x_N02	0,1,...,7	8

TABLE I.1 - Test Grouping Method Example for LAPD Test Suite State 7.0 Test Cases			
Group	Test Case Number	Applicable States (x)	Number of Test Cases in Group
29	DL7x_N03	0,1,...7	8
30	DL7x_N04	0,1,...7	8
31	DL7x_V30	0,1,4,5	4
32	DL7x_V30	2,3,6,7	4
33	DL7x_V31	0,1,...7	8
34	DL7x_I04	0,1,...7	8
35	DL7x_V32	0,1,...7	8
36	DL7x_V33	0,1,4,5	4
37	DL7x_V33	2,3,6,7	4
38	DL7x_V34	0,1,...7	8
39	DL7x_I05	0,1,...7	8
40	DL7x_V35	0,1,...7	8
41	DL7x_N05	0,1,4,5	4
42	DL7x_N05	2,3,6,7	4
43	DL7x_N06	0,1,...7	8
44	DL7x_N07	0,1,...7	8
45	DL7x_N08	0,1,...7	8
46	DL7x_V36	0,1,4,5	4
47	DL7X_V36	2,3,6,7	4
48	DL7x_V37	0,1,...7	8
49	DL7x_I06	0,1,...7	8
50	DL7x_V39	0,1,...7	8
51	DL7x_V40	0,1,4,5	4
52	DL7X_V40	2,3,6,7	4
53	DL7x_V41	0,1,...7	8
54	DL7x_I07	0,1,...7	8
55	DL7x_V43	0,1,...7	8
56	DL7x_N09	0,1,4,5	4
57	DL7x_N09	2,3,6,7	4
58	DL7x_N10	0,1,...7	8
59	DL7x_N11	0,1,...7	8
60	DL7x_N12	0,1,...7	8
61	DL7x_V44	0,1,4,5	4
62	DL7x_V44	2,3,6,7	4
63	DL7x_V45	0,1,4,5	4
64	DL7x_V45	2,3,6,7	4
65	DL7x_V46	0,1,4,5	4
66	DL7x_V46	2,3,6,7	4
67	DL7x_V47	0,4	2
68	DL7x_V47	1,2,3,5,6,7	6
69	DL7x_V48	0,1,4,5	4
70	DL7x_V48	2,3,6,7	4
71	DL7x_V49	0,1,4,5	4
72	DL7x_V49	2,3,6,7	4
73	DL7x_V50	0,4	2
74	DL7x_V50	1,5	2
75	DL7x_V50	2,3,6,7	4
76	DL7x_V51	0,4	2
77	DL7x_V51	1,2,3,5,6,7	6

TABLE I.1 - Test Grouping Method Example for LAPD Test Suite State 7.0 Test Cases			
Group	Test Case Number	Applicable States (x)	Number of Test Cases in Group
78	DL7x_V52	0,1,4,5	4
79	DL7x_V52	2,3,6,7	4
80	DL7x_V53	0,1,4,5	4
81	DL7x_V53	2,3,4,5	4
82	DL7x_V54	0,4	2
83	DL7x_V54	1,5	2
84	DL7x_V54	2,3,6,7	4
85	DL7x_V55	0,4	2
86	DL7x_V55	1,2,3,5,6,7	6
87	DL7x_N13	0,1,4,5	4
88	DL7x_N13	2,3,6,7	4
89	DL7x_N14	0,1,4,5	4
90	DL7x_N14	2,3,6,7	4
91	DL7x_N15	0,4	2
92	DL7x_N15	1,5	2
93	DL7x_N15	2,3,6,7	4
94	DL7x_N16	0,4	2
95	DL7x_N16	1,2,3,5,6,7	6
96	DL7x_V56	0,1,4,5	4
97	DL7x_V56	2,3,6,7	4
98	DL7x_V57	0,1	2
99	DL7x_V57	2,3	2
100	DL7x_V58	0,1,4,5	4
101	DL7x_V58	2,3,6,7	4
102	DL7x_V59	0,1,4,5	4
103	DL7x_V59	2,3,6,7	4
104	DL7x_N17	0,1,...7	8
105	DL7x_N18	0,1,...7	8
106	DL7x_N19	0,1,...7	8
107	DL7x_N20	0,1,...7	8
108	DL7x_N21	0,1,...7	8
109	DL7x_N22	0,1,...7	8
110	DL7x_N23	0,1,...7	8
111	DL7x_N24	0,1,...7	8
112	DL7x_N25	0,1,...7	8
113	DL7x_N26	0,1,...7	8
114	DL7x_N27	0,1,...7	8

APPENDIX II (Informative)

A Method for Minimizing Run-Time of Test Cases

II.1 Introduction

This appendix describes a method that minimizes the run-time of test cases defined for the LAPD protocol, thus providing significant savings on the time required to execute the test cases. Recent research suggests that the number of steps required to run the test cases can be minimized, if the test bodies are run in a particular order, and the preambles and postambles are executed only if the previous test case verdict is a fail [1][2][3].

This method is intended to be a guide for the implementors of test cases and should not be considered as mandatory. Furthermore, this method does not preclude other means of organizing the test suite such as the one titled "A Method for Implementing Test Cases" presented in Appendix I of this Recommendation.

In Section II.1.1 of this appendix, the method for sequencing test bodies is briefly described. An example test sequence for the mandatory (i.e., not conditional) test cases defined in this document is presented in Section II.2.

II.1.1 Description

Each test case defined in the LAPD Abstract Test Suite consists of three parts: preamble, test body, and postamble. The preamble brings the IUT from the initial state into the test state. Each test body logically consists of two parts. The first part includes the PDUs exchanged between the tester and the IUT in order to achieve the test purpose. The second part defines the PDU exchanges to verify that the state of the IUT is as expected after the first part of the test body is run. The postamble places the IUT into the initial stable state following the execution of a test body.

During testing, it is stated in Part 2 of ISO DIS 9646 (Section 12.1.5) that the test bodies can be ordered in a tour fashion to obtain run-time efficiencies. In this case, preambles and postambles are necessary only when an individual test case to be run or when a test case fails and the tour is broken. In other words, if the verdict of a test case is PASS after the execution of the test body, another test body can be run without bringing the IUT into the initial state (by the postamble) and back to another starting state (by the preamble) for another test case. Therefore, if the verdict is PASS, considerable reduction in time can be achieved, since the test bodies are concatenated without unnecessarily running the preambles and postambles. Current research proves that the test bodies can be ordered in this way such that the execution time is minimized. The technique described in [1][2][3] yields an average reduction of 2 to 1 in the number of steps to run test cases, compared to using preambles and postambles for each test case.

In order to incorporate the above mentioned minimization technique into an abstract test suite, the preambles and postambles can be defined such that they are executed conditionally. For example, at each preamble (postamble), a boolean test suite variable can be defined such that the preamble (postamble) is run only if the variable value is FAIL and bypassed if the value is PASS. The value of the variable is set to the verdict of the most recent test case run in the suite. This variable must be maintained and reset when the verdict changes.

II.2 Example

In this section, the test body sequencing is presented for the mandatory (i.e., not conditional) test cases defined for the LAPD protocol.

It is assumed that the first line of each preamble and postamble defined in this document is modified to include the following statement :

[(MINIMIZED) AND (PREV_VERDICT)]

where MINIMIZED is a test suite parameter and PREV_VERDICT is a test suite boolean variable. If a tester wants to use the suggested test sequencing, MINIMIZED is set to TRUE. The boolean variable called PREV_VERDICT is set to TRUE, if the previous test verdict (after the test body is run) is PASS and to FALSE if FAIL. For example, the preamble for state s7.0 is modified as follows:

Dynamic Behaviour				
Reference	LAPD/PREAMBLE/DL70_PREAMBLE			
Identifier	DL70_PREAMBLE			
Purpose	Procedure used to place the IUT in test state 7.0 - Multiple Frame Established/Normal/Normal.			
Defaults Reference:				
Behaviour Description	Label	Constraint Reference	Verdict	Comments
DL70_PREAMBLE [(MINIMIZED) AND (PREV_VERDICT)] !SABME START T200 ?UA (V_R:=0,V_S:=0,V_A:=0) +DL70_UNEXPECTED GOTO L100 ?OTHERWISE ?TIMEOUT T200 [NOT ((MINIMIZED) AND (PREV_VERDICT))]	L100	SABME1_NC UA1_UR	 F F	P=1 F=1

The test sequence given below has the format of two columns where the first column represents the order to run the test bodies and the second column is the identifier of the test body. There are several procedures used in the table (labeled as PROC) that are defined at the end in terms of the PDU exchanges between the IUT and the tester. These procedures are not defined in the main body of this document and must be added to the test suite.

There are approximately 500 mandatory (i.e., not conditional) test cases in the LAPD abstract conformance test suite as defined in this document. The minimization method requires a total of approximately 2200 PDU exchanges (including the procedures) whereas executing preambles and postambles at each test case results in 3900 PDU exchanges. Therefore, an approximate reduction of 2 to 1 is obtained by the minimization technique if every test verdict is PASS. The actual run time ratio may vary depending on the test suite implementation.

References

- [1] A.V.Aho, A.T.Dahbura, D.Lee and M.U.Uyar, "An optimization technique for protocol conformance test generation based on UIO sequences and Chinese postman tours," *Proc. 8th Int'l. Symp. on Protocol Specification, Testing and Verification*, North Holland, ed's. S.Aggarwal and K.K.Sabnani, pp. 75-86, 1988.
- [2] K.K.Sabnani and A.T.Dahbura, "A protocol testing procedure," *Computer Networks*, pp. 285-297, vol. 15, no 4, 1988.
- [3] M.U.Uyar and A.T.Dahbura, "Optimal test sequence generation for protocols: the Chinese postman algorithm applied to Q.931," *Proc. IEEE Global Telecommunications Conf.*, pp. 68-72, 1986.

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
1	DL40_V08
2	DL50_V10
3	DL50_V04
4	DL70_N01
5	DL70_N02
6	DL70_N03
7	DL70_N04
8	DL70_N05
9	DL70_N06
10	DL70_N07
11	DL70_N08
12	DL70_N09
13	DL70_N10
14	DL70_N11
15	DL70_N12
16	DL70_N13
17	DL70_N14
18	DL70_N15
19	DL70_N16
20	DL70_N17
21	DL70_N18
22	DL70_N19
23	DL70_N20
24	DL70_N21
25	DL70_N22
26	DL70_N23
27	DL70_N24
28	DL70_N25
29	DL70_N26
30	DL70_N27
31	DL70_V17
32	DL70_V14
33	DL70_V13
34	DL50_V05
35	DL70_V08
36	DL71_V47
37	DL71_V46
38	DL71_V32
39	DL71_I04
40	DL71_V31
41	DL71_V30
42	DL71_V23

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
43	DL71_I01
44	DL71_V21
45	DL71_V20
46	DL71_V45
47	DL71_V44
48	DL71_V10
49	DL71_V08
50	DL71_V13
51	DL50_V06
52	DL70_V10
53	DL71_V14
54	DL70_V20
55	DL71_V17
56	DL70_V21
57	DL71_N01
58	DL70_I01
59	DL71_N02
60	DL70_V23
61	DL71_N03
62	DL70_V30
63	DL71_N04
64	DL70_V31
65	DL71_N05
66	DL70_I04
67	DL71_N06
68	DL70_V32
69	DL71_N07
70	DL70_V44
71	DL71_N08
72	DL70_V45
73	DL71_N09
74	DL70_V46
75	DL71_N10
76	DL70_V47
77	DL71_N11
78	DL70_V36
79	DL85_V46
80	DL85_V35
81	DL85_V34
82	DL85_V31
83	DL85_V29
84	DL85_V28

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
85	DL85_V33
86	DL85_V32
87	DL85_V30
88	DL85_V13
89	DL50_V07
90	DL70_V37
91	DL85_V14
92	DL70_I06
93	DL85_V15
94	DL70_V39
95	DL85_V17
96	DL70_V56
97	DL80_V35
98	DL80_V34
99	DL80_V46
100	DL80_V33
101	DL80_V32
102	DL80_V27
103	DL80_V25
104	DL80_V24
105	DL80_V23
106	DL80_V21
107	DL80_V20
108	DL80_V13
109	DL50_V11
110	DL70_V57
111	DL80_V14
112	+proc(s7.0_to_s4.0)
113	DL40_V09
114	DL50_I02
115	+proc(s7.0_to_s4.0)
116	DL40_V10
117	DL50_I08
118	+proc(s7.0_to_s4.0)
119	DL40_I01
120	DL50_I09
121	+proc(s7.0_to_s4.0)
122	DL40_I03
123	DL50_I10
124	+proc(s7.0_to_s4.0)
125	DL40_I04
126	DL50_I11

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
127	+proc(s7.0_to_s4.0)
128	DL40_I05
129	DL50_I12
130	+proc(s7.0_to_s4.0)
131	DL40_I06
132	DL50_I13
133	+proc(s7.0_to_s4.0)
134	DL40_I07
135	DL50_I14
136	+proc(s7.0_to_s4.0)
137	DL40_I08
138	DL50_I15
139	+proc(s7.0_to_s4.0)
140	DL40_I09
141	DL50_I16
142	+proc(s7.0_to_s4.0)
143	DL40_I10
144	DL50_I17
145	+proc(s7.0_to_s4.0)
146	DL40_I11
147	DL50_I18
148	+proc(s7.0_to_s4.0)
149	DL40_I12
150	DL50_I19
151	+proc(s7.0_to_s4.0)
152	DL40_I13
153	DL50_I20
154	+proc(s7.0_to_s4.0)
155	DL40_I14
156	DL50_I21
157	+proc(s7.0_to_s4.0)
158	DL40_I16
159	DL50_V12
160	+proc(s7.0_to_s4.0)
161	DL40_I17
162	DL50_N01
163	+proc(s7.0_to_s4.0)
164	DL40_N01
165	DL50_N02
166	+proc(s7.0_to_s4.0)
167	DL40_N02
168	DL50_N03

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
169	+proc(s7.0_to_s4.0)
170	DL40_N03
171	DL50_N04
172	+proc(s7.0_to_s7.4)
173	DL74_V13
174	DL50_N05
175	+proc(s7.0_to_s7.4)
176	DL74_V14
177	+proc(s7.0_to_s7.4)
178	DL74_V17
179	+proc(s7.0_to_s7.4)
180	DL74_N01
181	+proc(s7.0_to_s7.4)
182	DL74_N02
183	+proc(s7.0_to_s7.4)
184	DL74_N03
185	+proc(s7.0_to_s7.4)
186	DL74_N04
187	+proc(s7.0_to_s7.4)
188	DL74_N05
189	+proc(s7.0_to_s7.4)
190	DL74_N06
191	+proc(s7.0_to_s7.4)
192	DL74_N07
193	+proc(s7.0_to_s7.4)
194	DL74_N08
195	+proc(s7.0_to_s7.4)
196	DL74_N09
197	+proc(s7.0_to_s7.4)
198	DL74_N10
199	+proc(s7.0_to_s7.4)
200	DL74_N11
201	+proc(s7.0_to_s7.4)
202	DL74_N12
203	+proc(s7.0_to_s7.4)
204	DL74_N13
205	+proc(s7.0_to_s7.4)
206	DL74_N14
207	+proc(s7.0_to_s7.4)
208	DL74_N15
209	+proc(s7.0_to_s7.4)
210	DL74_N16

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
211	+proc(s7.0_to_s7.4)
212	DL74_N17
213	+proc(s7.0_to_s7.4)
214	DL74_N18
215	+proc(s7.0_to_s7.4)
216	DL74_N19
217	+proc(s7.0_to_s7.4)
218	DL74_N20
219	+proc(s7.0_to_s7.4)
220	DL74_N21
221	+proc(s7.0_to_s7.4)
222	DL74_N22
223	+proc(s7.0_to_s7.4)
224	DL74_N23
225	+proc(s7.0_to_s7.4)
226	DL74_N24
227	+proc(s7.0_to_s7.4)
228	DL74_N25
229	+proc(s7.0_to_s7.4)
230	DL74_N26
231	+proc(s7.0_to_s7.4)
232	DL74_N27
233	+proc(s7.0_to_s7.4)
234	DL74_V08
235	DL71_N12
236	+proc(s7.0_to_s7.4)
237	DL74_V10
238	DL71_N13
239	+proc(s7.0_to_s7.4)
240	DL74_V20
241	DL71_N14
242	+proc(s7.0_to_s7.4)
243	DL74_V21
244	DL71_N15
245	+proc(s7.0_to_s7.4)
246	DL74_I01
247	DL71_N16
248	+proc(s7.0_to_s7.4)
249	DL74_V23
250	DL71_N17
251	+proc(s7.0_to_s7.4)
252	DL74_V30

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
253	DL71_N18
254	+proc(s7.0_to_s7.4)
255	DL74_V31
256	DL71_N19
257	+proc(s7.0_to_s7.4)
258	DL74_I04
259	DL71_N20
260	+proc(s7.0_to_s7.4)
261	DL74_V32
262	DL71_N21
263	+proc(s7.0_to_s7.4)
264	DL74_V36
265	DL85_N01
266	+proc(s7.0_to_s7.4)
267	DL74_V37
268	DL85_N02
269	+proc(s7.0_to_s7.4)
270	DL74_I06
271	DL85_N03
272	+proc(s7.0_to_s7.4)
273	DL74_V39
274	DL85_N04
275	+proc(s7.0_to_s7.4)
276	DL74_V44
277	DL85_N05
278	+proc(s7.0_to_s7.4)
279	DL74_V45
280	DL85_N06
281	+proc(s7.0_to_s7.4)
282	DL74_V46
283	DL85_N07
284	+proc(s7.0_to_s7.4)
285	DL74_V47
286	DL85_N08
287	+proc(s7.0_to_s7.4)
288	DL74_V56
289	DL85_N09
290	+proc(s7.0_to_s7.4)
291	+proc(s7.4_to_s7.5)
292	DL75_V13
293	DL50_N06
294	+proc(s7.0_to_s7.4)

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
295	+proc(s7.4_to_s7.5)
296	DL75_V14
297	+proc(s7.0_to_s7.4)
298	+proc(s7.4_to_s7.5)
299	DL75_V17
300	+proc(s7.0_to_s7.4)
301	+proc(s7.4_to_s7.5)
302	DL75_N01
303	+proc(s7.0_to_s7.4)
304	+proc(s7.4_to_s7.5)
305	DL75_N02
306	+proc(s7.0_to_s7.4)
307	+proc(s7.4_to_s7.5)
308	DL75_N03
309	+proc(s7.0_to_s7.4)
310	+proc(s7.4_to_s7.5)
311	DL75_N04
312	+proc(s7.0_to_s7.4)
313	+proc(s7.4_to_s7.5)
314	DL75_N05
315	+proc(s7.0_to_s7.4)
316	+proc(s7.4_to_s7.5)
317	DL75_N06
318	+proc(s7.0_to_s7.4)
319	+proc(s7.4_to_s7.5)
320	DL75_N07
321	+proc(s7.0_to_s7.4)
322	+proc(s7.4_to_s7.5)
323	DL75_N08
324	+proc(s7.0_to_s7.4)
325	+proc(s7.4_to_s7.5)
326	DL75_N09
327	+proc(s7.0_to_s7.4)
328	+proc(s7.4_to_s7.5)
329	DL75_N10
330	+proc(s7.0_to_s7.4)
331	+proc(s7.4_to_s7.5)
332	DL75_N11
333	+proc(s7.0_to_s7.4)
334	+proc(s7.4_to_s7.5)
335	DL75_N12
336	+proc(s7.0_to_s7.4)

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
337	+proc(s7.4_to_s7.5)
338	DL75_N13
339	+proc(s7.0_to_s7.4)
340	+proc(s7.4_to_s7.5)
341	DL75_N14
342	+proc(s7.0_to_s7.4)
343	+proc(s7.4_to_s7.5)
344	DL75_N15
345	+proc(s7.0_to_s7.4)
346	+proc(s7.4_to_s7.5)
347	DL75_N16
348	+proc(s7.0_to_s7.4)
349	+proc(s7.4_to_s7.5)
350	DL75_N17
351	+proc(s7.0_to_s7.4)
352	+proc(s7.4_to_s7.5)
353	DL75_N18
354	+proc(s7.0_to_s7.4)
355	+proc(s7.4_to_s7.5)
356	DL75_N19
357	+proc(s7.0_to_s7.4)
358	+proc(s7.4_to_s7.5)
359	DL75_N20
360	+proc(s7.0_to_s7.4)
361	+proc(s7.4_to_s7.5)
362	DL75_N21
363	+proc(s7.0_to_s7.4)
364	+proc(s7.4_to_s7.5)
365	DL75_N22
366	+proc(s7.0_to_s7.4)
367	+proc(s7.4_to_s7.5)
368	DL75_N23
369	+proc(s7.0_to_s7.4)
370	+proc(s7.4_to_s7.5)
371	DL75_N24
372	+proc(s7.0_to_s7.4)
373	+proc(s7.4_to_s7.5)
374	DL75_N25
375	+proc(s7.0_to_s7.4)
376	+proc(s7.4_to_s7.5)
377	DL75_N26
378	+proc(s7.0_to_s7.4)

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
379	+proc(s7.4_to_s7.5)
380	DL75_N27
381	+proc(s7.0_to_s7.4)
382	+proc(s7.4_to_s7.5)
383	DL75_V08
384	DL71_N22
385	+proc(s7.0_to_s7.4)
386	+proc(s7.4_to_s7.5)
387	DL75_V10
388	DL71_N23
389	+proc(s7.0_to_s7.4)
390	+proc(s7.4_to_s7.5)
391	DL75_V20
392	DL71_N24
393	+proc(s7.0_to_s7.4)
394	+proc(s7.4_to_s7.5)
395	DL75_V21
396	DL71_N25
397	+proc(s7.0_to_s7.4)
398	+proc(s7.4_to_s8.4)
399	DL84_V13
400	DL50_N07
401	+proc(s7.0_to_s7.4)
402	+proc(s7.4_to_s8.4)
403	DL84_V14
404	+proc(s7.0_to_s7.4)
405	+proc(s7.4_to_s8.4)
406	DL84_V15
407	+proc(s7.0_to_s7.4)
408	+proc(s7.4_to_s8.4)
409	DL84_V17
410	+proc(s7.0_to_s7.4)
411	+proc(s7.4_to_s8.4)
412	DL84_N01
413	+proc(s7.0_to_s7.4)
414	+proc(s7.4_to_s8.4)
415	DL84_N02
416	+proc(s7.0_to_s7.4)
417	+proc(s7.4_to_s8.4)
418	DL84_N03
419	+proc(s7.0_to_s7.4)
420	+proc(s7.4_to_s8.4)

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
421	DL84_N04
422	+proc(s7.0_to_s7.4)
423	+proc(s7.4_to_s8.4)
424	DL84_N05
425	+proc(s7.0_to_s7.4)
426	+proc(s7.4_to_s8.4)
427	DL84_N06
428	+proc(s7.0_to_s7.4)
429	+proc(s7.4_to_s8.4)
430	DL84_N07
431	+proc(s7.0_to_s7.4)
432	+proc(s7.4_to_s8.4)
433	DL84_N08
434	+proc(s7.0_to_s7.4)
435	+proc(s7.4_to_s8.4)
436	DL84_N09
437	+proc(s7.0_to_s7.4)
438	+proc(s7.4_to_s8.4)
439	DL84_N10
440	+proc(s7.0_to_s7.4)
441	+proc(s7.4_to_s8.4)
442	DL84_N11
443	+proc(s7.0_to_s7.4)
444	+proc(s7.4_to_s8.4)
445	DL84_N12
446	+proc(s7.0_to_s7.4)
447	+proc(s7.4_to_s8.4)
448	DL84_N13
449	+proc(s7.0_to_s7.4)
450	+proc(s7.4_to_s8.4)
451	DL84_N14
452	+proc(s7.0_to_s7.4)
453	+proc(s7.4_to_s8.4)
454	DL84_N15
455	+proc(s7.0_to_s7.4)
456	+proc(s7.4_to_s8.4)
457	DL84_N16
458	+proc(s7.0_to_s7.4)
459	+proc(s7.4_to_s8.4)
460	DL84_V44
461	+proc(s7.0_to_s7.4)
462	+proc(s7.4_to_s8.4)

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
463	DL84_N17
464	+proc(s7.0_to_s7.4)
465	+proc(s7.4_to_s8.4)
466	DL84_N18
467	+proc(s7.0_to_s7.4)
468	+proc(s7.4_to_s8.4)
469	DL84_N19
470	+proc(s7.0_to_s7.4)
471	+proc(s7.4_to_s8.4)
472	DL84_N20
473	+proc(s7.0_to_s7.4)
474	+proc(s7.4_to_s8.4)
475	DL84_N21
476	+proc(s7.0_to_s7.4)
477	+proc(s7.4_to_s8.4)
478	DL84_N22
479	+proc(s7.0_to_s7.4)
480	+proc(s7.4_to_s8.4)
481	DL84_N23
482	+proc(s7.0_to_s7.4)
483	+proc(s7.4_to_s8.4)
484	DL84_N24
485	+proc(s7.0_to_s7.4)
486	+proc(s7.4_to_s8.4)
487	DL84_N25
488	+proc(s7.0_to_s7.4)
489	+proc(s7.4_to_s8.4)
490	DL84_N26
491	+proc(s7.0_to_s7.4)
492	+proc(s7.4_to_s8.4)
493	DL84_N27
494	+proc(s7.0_to_s7.4)
495	+proc(s7.4_to_s8.4)
496	DL84_V08
497	DL71_N26
498	+proc(s7.0_to_s7.4)
499	+proc(s7.4_to_s8.4)
500	DL84_V10
501	DL71_N27
502	+proc(s7.0_to_s7.4)
503	+proc(s7.4_to_s8.4)
504	DL84_V22

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
505	DL71_V36
506	DL85_N10
507	+proc(s7.0_to_s7.4)
508	+proc(s7.4_to_s8.4)
509	DL84_V26
510	DL71_V37
511	DL85_N11
512	+proc(s7.0_to_s7.4)
513	+proc(s7.4_to_s8.4)
514	DL84_V30
515	DL85_N12
516	+proc(s7.0_to_s7.4)
517	+proc(s7.4_to_s8.4)
518	DL84_V20
519	DL80_V15
520	+proc(s7.0_to_s7.4)
521	+proc(s7.4_to_s8.4)
522	DL84_V21
523	DL80_V17
524	+proc(s7.0_to_s7.4)
525	+proc(s7.4_to_s8.4)
526	DL84_V23
527	DL80_N01
528	+proc(s7.0_to_s7.4)
529	+proc(s7.4_to_s8.4)
530	DL84_V24
531	DL80_N02
532	+proc(s7.0_to_s7.4)
533	+proc(s7.4_to_s8.4)
534	DL84_V25
535	DL80_N03
536	+proc(s7.0_to_s7.4)
537	+proc(s7.4_to_s8.4)
538	DL84_V27
539	DL80_N04
540	+proc(s7.0_to_s7.4)
541	+proc(s7.4_to_s8.4)
542	DL84_V28
543	DL85_N13
544	+proc(s7.0_to_s7.4)
545	+proc(s7.4_to_s8.4)
546	DL84_V29

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
547	DL85_N14
548	+proc(s7.0_to_s7.4)
549	+proc(s7.4_to_s8.4)
550	DL84_V31
551	DL85_N15
552	+proc(s7.0_to_s7.4)
553	+proc(s7.4_to_s8.4)
554	DL84_V32
555	DL85_N16
556	+proc(s7.0_to_s7.4)
557	+proc(s7.4_to_s8.4)
558	DL84_V33
559	DL85_V44
560	+proc(s7.0_to_s7.4)
561	+proc(s7.4_to_s8.4)
562	DL84_V46
563	DL85_N17
564	+proc(s7.0_to_s7.4)
565	+proc(s7.4_to_s8.4)
566	DL84_V34
567	DL85_N18
568	+proc(s7.0_to_s7.4)
569	+proc(s7.4_to_s8.4)
570	DL84_V35
571	DL85_N19
572	+proc(s7.0_to_s7.4)
573	+proc(s7.4_to_s8.4)
574	DL84_V12
575	DL50_N08
576	+proc(s7.0_to_s7.4)
577	DL74_V12
578	DL50_N09
579	+proc(s7.0_to_s8.0)
580	DL80_N05
581	+proc(s7.0_to_s8.0)
582	DL80_N06
583	+proc(s7.0_to_s8.0)
584	DL80_N07
585	+proc(s7.0_to_s8.0)
586	DL80_N08
587	+proc(s7.0_to_s8.0)
588	DL80_N09

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
589	+proc(s7.0_to_s8.0)
590	DL80_N10
591	+proc(s7.0_to_s8.0)
592	DL80_N11
593	+proc(s7.0_to_s8.0)
594	DL80_N12
595	+proc(s7.0_to_s8.0)
596	DL80_N13
597	+proc(s7.0_to_s8.0)
598	DL80_N14
599	+proc(s7.0_to_s8.0)
600	DL80_N15
601	+proc(s7.0_to_s8.0)
602	DL80_N16
603	+proc(s7.0_to_s8.0)
604	DL80_V44
605	+proc(s7.0_to_s8.0)
606	DL80_N17
607	+proc(s7.0_to_s8.0)
608	DL80_N18
609	+proc(s7.0_to_s8.0)
610	DL80_N19
611	+proc(s7.0_to_s8.0)
612	DL80_N20
613	+proc(s7.0_to_s8.0)
614	DL80_N21
615	+proc(s7.0_to_s8.0)
616	DL80_N22
617	+proc(s7.0_to_s8.0)
618	DL80_N23
619	+proc(s7.0_to_s8.0)
620	DL80_N24
621	+proc(s7.0_to_s8.0)
622	DL80_N25
623	+proc(s7.0_to_s8.0)
624	DL80_N26
625	+proc(s7.0_to_s8.0)
626	DL80_N27
627	+proc(s7.0_to_s8.0)
628	DL80_V08
629	DL71_I06
630	DL85_N20

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
631	+proc(s7.0_to_s8.0)
632	DL80_V10
633	DL71_V39
634	DL85_N21
635	+proc(s7.0_to_s8.0)
636	DL80_V22
637	DL71_V56
638	DL80_V26
639	DL71_V57
640	DL80_V30
641	DL85_N22
642	+proc(s7.0_to_s8.0)
643	DL80_V28
644	DL85_N23
645	+proc(s7.0_to_s8.0)
646	DL80_V29
647	DL85_N24
648	+proc(s7.0_to_s8.0)
649	DL80_V31
650	DL85_N25
651	+proc(s7.0_to_s8.0)
652	+proc(s8.0_to_s8.1)
653	DL81_V13
654	DL50_N10
655	+proc(s7.0_to_s8.0)
656	+proc(s8.0_to_s8.1)
657	DL81_V14
658	+proc(s7.0_to_s8.0)
659	+proc(s8.0_to_s8.1)
660	DL81_V15
661	+proc(s7.0_to_s8.0)
662	+proc(s8.0_to_s8.1)
663	DL81_V17
664	+proc(s7.0_to_s8.0)
665	+proc(s8.0_to_s8.1)
666	DL81_N01
667	+proc(s7.0_to_s8.0)
668	+proc(s8.0_to_s8.1)
669	DL81_N02
670	+proc(s7.0_to_s8.0)
671	+proc(s8.0_to_s8.1)
672	DL81_N03

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
673	+proc(s7.0_to_s8.0)
674	+proc(s8.0_to_s8.1)
675	DL81_N04
676	+proc(s7.0_to_s8.0)
677	+proc(s8.0_to_s8.1)
678	DL81_N05
679	+proc(s7.0_to_s8.0)
680	+proc(s8.0_to_s8.1)
681	DL81_N06
682	+proc(s7.0_to_s8.0)
683	+proc(s8.0_to_s8.1)
684	DL81_N07
685	+proc(s7.0_to_s8.0)
686	+proc(s8.0_to_s8.1)
687	DL81_N08
688	+proc(s7.0_to_s8.0)
689	+proc(s8.0_to_s8.1)
690	DL81_N09
691	+proc(s7.0_to_s8.0)
692	+proc(s8.0_to_s8.1)
693	DL81_N10
694	+proc(s7.0_to_s8.0)
695	+proc(s8.0_to_s8.1)
696	DL81_N11
697	+proc(s7.0_to_s8.0)
698	+proc(s8.0_to_s8.1)
699	DL81_N12
700	+proc(s7.0_to_s8.0)
701	+proc(s8.0_to_s8.1)
702	DL81_N13
703	+proc(s7.0_to_s8.0)
704	+proc(s8.0_to_s8.1)
705	DL81_N14
706	+proc(s7.0_to_s8.0)
707	+proc(s8.0_to_s8.1)
708	DL81_N15
709	+proc(s7.0_to_s8.0)
710	+proc(s8.0_to_s8.1)
711	DL81_N16
712	+proc(s7.0_to_s8.0)
713	+proc(s8.0_to_s8.1)
714	DL81_V44

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
715	+proc(s7.0_to_s8.0)
716	+proc(s8.0_to_s8.1)
717	DL81_N17
718	+proc(s7.0_to_s8.0)
719	+proc(s8.0_to_s8.1)
720	DL81_N18
721	+proc(s7.0_to_s8.0)
722	+proc(s8.0_to_s8.1)
723	DL81_N19
724	+proc(s7.0_to_s8.0)
725	+proc(s8.0_to_s8.1)
726	DL81_N20
727	+proc(s7.0_to_s8.0)
728	+proc(s8.0_to_s8.1)
729	DL81_N21
730	+proc(s7.0_to_s8.0)
731	+proc(s8.0_to_s8.1)
732	DL81_N22
733	+proc(s7.0_to_s8.0)
734	+proc(s8.0_to_s8.1)
735	DL81_N23
736	+proc(s7.0_to_s8.0)
737	+proc(s8.0_to_s8.1)
738	DL81_N24
739	+proc(s7.0_to_s8.0)
740	+proc(s8.0_to_s8.1)
741	DL81_N25
742	+proc(s7.0_to_s8.0)
743	+proc(s8.0_to_s8.1)
744	DL81_N26
745	+proc(s7.0_to_s8.0)
746	+proc(s8.0_to_s8.1)
747	DL81_N27
748	+proc(s7.0_to_s8.0)
749	+proc(s8.0_to_s8.1)
750	DL81_V08
751	+proc(s7.1_to_s7.5)
752	DL75_I01
753	+proc(s7.1_to_s7.5)
754	DL75_V23
755	+proc(s7.1_to_s7.5)
756	DL75_V30

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
757	+proc(s7.1_to_s7.5)
758	DL75_V31
759	+proc(s7.1_to_s7.5)
760	DL75_I04
761	+proc(s7.1_to_s7.5)
762	DL75_V32
763	+proc(s7.1_to_s7.5)
764	DL75_V44
765	DL85_N26
766	+proc(s7.0_to_s8.0)
767	+proc(s8.0_to_s8.1)
768	DL81_V10
769	+proc(s7.1_to_s7.5)
770	DL75_V45
771	DL85_N27
772	+proc(s7.0_to_s8.0)
773	+proc(s8.0_to_s8.1)
774	DL81_V22
775	+proc(s7.1_to_s7.5)
776	DL75_V36
777	DL85_V08
778	+proc(s7.1_to_s7.5)
779	DL75_V37
780	DL85_V10
781	+proc(s7.1_to_s7.5)
782	DL75_I06
783	DL85_V22
784	+proc(s7.1_to_s7.5)
785	DL75_V39
786	DL85_V26
787	+proc(s7.1_to_s7.5)
788	DL75_V46
789	DL85_V20
790	+proc(s8.0_to_s8.1)
791	DL81_V26
792	+proc(s7.1_to_s7.5)
793	DL75_V47
794	DL85_V21
795	+proc(s8.0_to_s8.1)
796	DL81_V30
797	DL85_V23
798	+proc(s8.0_to_s8.1)

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
799	DL81_V32
800	+proc(s8.0_to_s8.1)
801	DL81_V33
802	+proc(s8.0_to_s8.1)
803	DL81_V46
804	+proc(s8.0_to_s8.1)
805	DL81_V20
806	+proc(s8.0_to_s8.1)
807	DL81_V21
808	+proc(s8.0_to_s8.1)
809	DL81_V23
810	+proc(s8.0_to_s8.1)
811	DL81_V24
812	+proc(s8.0_to_s8.1)
813	DL81_V25
814	+proc(s8.0_to_s8.1)
815	DL81_V27
816	+proc(s8.0_to_s8.1)
817	DL81_V34
818	+proc(s8.0_to_s8.1)
819	DL81_V35
820	+proc(s8.0_to_s8.1)
821	DL81_V28
822	DL85_V24
823	+proc(s8.0_to_s8.1)
824	DL81_V29
825	DL85_V25
826	+proc(s8.0_to_s8.1)
827	DL81_V31
828	DL85_V27
829	+proc(s8.0_to_s8.1)
830	DL81_V12
831	DL50_N11
832	+proc(s7.0_to_s8.0)
833	DL80_V12
834	DL50_V08
835	+proc(s7.1_to_s7.5)
836	DL75_V56
837	DL85_V12
838	+proc(s5.0_to_s4.0)
839	DL40_N04
840	+proc(s5.0_to_s4.0)

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
841	DL40_N05
842	+proc(s5.0_to_s4.0)
843	DL40_N06
844	+proc(s5.0_to_s4.0)
845	DL40_N07
846	+proc(s5.0_to_s4.0)
847	DL40_N08
848	+proc(s5.0_to_s4.0)
849	DL40_N09
850	+proc(s5.0_to_s4.0)
851	DL40_N10
852	+proc(s5.0_to_s4.0)
853	DL40_N11
854	+proc(s5.0_to_s4.0)
855	DL40_V11
856	DL70_V12
857	+proc(s5.0_to_s4.0)
858	DL40_V04
859	+proc(s7.1_to_s7.5)
860	DL75_V12
861	+proc(s5.0_to_s4.0)
862	DL40_V06
863	DL71_V12
864	+proc(s5.0_to_s4.0)

Dynamic Behaviour				
Reference Identifier Purpose	TRANSITION/s5.0_to_s4.0 PROC_DL50_TO_DL40 Input transition from state s5.0_to_s4.0			
Behavior Description	Label	Constraint Reference	Verdict	Comments
PROC_DL50_TO_DL40 !DM START Td ?TIMEOUT Td +DL50_UNEXPECTED GOTO L500 ?OTHERWISE	L500	DM1_NR	I	F=1

Dynamic Behaviour				
Reference Identifier Purpose	TRANSITION/s7.0_to_s4.0 PROC_DL70_TO_DL40 Input transition from state s7.0_to_s4.0			
Behavior Description	Label	Constraint Reference	Verdict	Comments
PROC_DL70_TO_DL40 !DISC START T200 ?UA +DL70_UNEXPECTED GOTO L700 ?OTHERWISE ?TIMEOUT T200	L700	DISC0_NC UA0_UR	I I	P=0 F=0

Dynamic Behaviour				
Reference Identifier Purpose	TRANSITION/s7.0_to_s7.4 PROC_DL70_TO_DL74 Input transition from state s7.0_to_s7.4			
Behavior Description	Label	Constraint Reference	Verdict	Comments
PROC_DL70_TO_DL74 !RNR(V_A:=V_S) START Td ?TIMEOUT Td +DL70_UNEXPECTED GOTO L700 ?OTHERWISE	L700	RNR0_NR(V_S)	I	F=0

Dynamic Behaviour				
Reference Identifier Purpose	TRANSITION/s7.1_to_s7.5 PROC_DL71_TO_DL75 Input transition from state s7.1_to_s7.5			
Behavior Description	Label	Constraint Reference	Verdict	Comments
PROC_DL71_TO_DL75 !RNR(V_A:=V_S) START Td ?TIMEOUT Td +DL71_UNEXPECTED GOTO L710 ?OTHERWISE	L710	RNR0_NR(V_S)	I	F=0

Dynamic Behaviour				
Reference Identifier Purpose	TRANSITION/s7.4_to_s7.5 PROC_DL74_TO_DL75 Input transition from state s7.4_to_s7.5			
Behavior Description	Label	Constraint Reference	Verdict	Comments
PROC_DL74_TO_DL75 (N_R:=V_S+1) !I(V_A:=V_S) START T200 ?REJ +DL74_UNEXPECTED GOTO L740 ?OTHERWISE ?TIMEOUT T200	L740	I0_NC(N_R,V_S) REJ0_UR(V_R)	I I	P=0 F=0

Dynamic Behaviour				
Reference Identifier Purpose	TRANSITION/s7.4_to_s8.4 PROC_DL74_TO_DL84 Input transition from state s7.4_to_s8.4			
Behavior Description	Label	Constraint Reference	Verdict	Comments
PROC_DL74_TO_DL84 +DL74_I1_SETUP START T200 (N_S:=V_S-1) ?TIMEOUT T200 START T200 ?RR +DL74_UNEXPECTED GOTO L741 ?OTHERWISE ?TIMEOUT T200 +DL74_UNEXPECTED GOTO L740 ?OTHERWISE	L740 L741	RR1_UC(V_R)	I I I	P=1

Dynamic Behaviour				
Reference Identifier Purpose	TRANSITION/s8.0_to_s8.1 PROC_DL80_TO_DL81 Input transition from state s8.0_to_s8.1			
Behavior Description	Label	Constraint Reference	Verdict	Comments
PROC_DL80_TO_DL81 (N_S:=V_R+1) !I START T200 ?REJ +DL80_UNEXPECTED GOTO L800 ?OTHERWISE ?TIMEOUT T200	L800	IO_NC(N_S,V_R) REJ0_UR(V_R)	 I I	P=0 F=0



APPENDIX III

Test Case Selection

III.1 Introduction

This appendix provides information for test case selection of the tests contained in this abstract test suite. Section III.2 contains a list of the European NET3 test cases in this test suite. Section III.3 contains a list of boolean expressions with the associated test cases. Table III-2 contains a test selection matrix.

III.2 European NET3 Test Cases

The test cases listed in Table III-1 were developed by NIUF and CCITT members in the International Telephone and Telegraph Consultative Committee (CCITT) for covering the European testing requirements (NET3). While these NET3 test cases conform to the CCITT Recommendation Q.921, they are not required for testing in North America. They remain in this test suite publication for information only.

For testing in North America, the following NET3 test cases may be deselected from the SYSTEM Group.

Table III-1. Deselection List of NET3 Test Cases		
DS40_1_1	DS74_5_1	DS70_8_5_1b
DS40_1_2	DS70_5_2	DS70_8_5_1c
DS40_1_3	DS60_6_1	DS40_8_6_1
DS40_1_4	DS10_7_1	DS40_8_6_2
DS70_1_5	DS10_7_2	DS10_8_7
DS30_2_4	DS40_7_3	DS70_8_8_1a
DS70_2_2	DS10_7_4	DS70_8_8_1e
DS70_2_3	DS40_8_1_1	DS70_8_8_2_1
DS80_2_4	DS70_8_2_1	DS70_8_8_2_2
DS70_3_1	DS40_8_2_2	DS70_8_8_4
DS70_4_1	DS70_8_3	DS70_9_1
DS70_4_2a	DS70_8_4_1	DS70_9_2
DS70_4_2b	DS70_8_4_2	
DS70_4_3	DS70_8_4_3	
DS70_4_4	DS70_8_5_1a	

III.3 Boolean Expressions for LAPD Test Case Selection

The following test cases can be executed only if the associated Boolean expression is true. Other test cases not listed here shall be executed unconditionally. Table III-2 provides a list of test cases with the associated Selection Expression Number corresponding to the boolean expressions listed in this section.

1. TEI_AUTO

DM74_V11, V15; DM80_V11; DM84_V11, V15

2. UNSOLUA_ID_VER

DMY0_V03, V04, V07-V10, y=7,8

3. TEI_AUTO AND CAN_INIT_ID_REQ

DM10_V01-V08, I01, I02, N01-N05; All DM20 and DL20 test cases; DS10_7_2, DS10_7_4; DS20_N01-N14

4. STABLE_IN_STATE4

DM40_V02, V05, V06, V11, V12, I01, I03, I04, N01-N04; All DL40 except DL40_V01; DS40_N01-N15; DS40_7_3, DS40_8_1_1, DS40_8_2_2, DS40_8_6_1, DS40_8_6_2, DS10_8_7

5. NOT IDLE_STATE4 AND STABLE_IN_STATE4

DL40_V01

6. NOT IDLE_STATE4 OR CAN_INIT_SABME

All DM50 and DL50 test cases (except DM50_V01, V03, V04, V07-V10, V14, V15, V17, V18; DL50_N01-N10 - See 24); DS50_N15, DS50_N17

7. CAN_TEST_OWN_BUSY

All DL7x and 8x, x=2,3,6,7 cases except those listed in expressions 8, 20, 21, 22 and 23.

DL7x_V57, x=4,5; DL7x_58, x=0,1; DL8x_V47, x=0,1,4,5

8. CAN_CLR_OWN_BUSY AND CAN_TEST_OWN_BUSY

DL7x_V58, x=6,7; DL7x_V59, x=2,3

9. NOT ACT_ON_MDL_ERROR

DL51_N01-N10

10. CAN_SEND_SABME

DL7x_V01, x=0,1,4,5; DL8x_V01, x=0,1,4,5

11. **CAN_SEND_A_FRAME**
DL7x_V03, V27-V29, V33-V35, V40-V43, V52-V56, I03, I05, I07, x=0,1,4,5;
DL8x_V03, V40-V43, V45, x=0,1,4,5; DS74_V18
12. **CAN_SEND_IFRAMES**
DL7x_V04, V24-V26, V48-V51, I02, x=0,1,4,5; DL8x_V04, V36-V39, x=0,1,4,5
13. **T203_IMPLEMENTED**
DL7x_V57, x=0,1; DL8x_V46, x=0,1,4,5
14. **Q921SW_PRESENT**
DS40_1_1, 1_2, 1_3, 1_4, 2_1, 2_2, 2_3, 2_4; DS70_4_2a, 4_2b, 4_3, 4_4; DS70_8_4_2; DS74_5_1
15. **UNBOUNDED_FRAME**
DS70_N02
16. **TEI_AUTO AND TEI_chk_IDReq**
DM70_V01; DM80_V01
17. **CAN_INIT_DISC**
All DM60 except DM60_V01, V03, V04 V07-V10, V15, V17
All DL60 except DL60_N01-N10
DS60_N15, N17
18. **UNSOLUA_ID_VER OR TEI_AUTO**
DM70_V13, V14; DM80_V13, V14; DM74_V13, V14; DM84_V13, V14
19. **CAN_INIT_DISC AND NOT ACT_ON_MDL_ERROR**
DL60_N01-N10
20. **CAN_SEND_SABME AND CAN_TEST_OWN_BUSY**
DL7x_V01, x=2,3,6,7; DL8x_V01, x=2,3,6,7
21. **CAN_SEND_A_IFRAME AND CAN_TEST_OWN_BUSY**
DL7x_V03, V27-V29, V33-V35, V40, V41, V43, V52-V56, I03, I05, I07, x=2,3,6,7; DL8x_V03, V40-V43, V45, x=2,3,6,7
22. **CAN_SEND_IFRAMES AND CAN_TEST_OWN_BUSY**
DL7x_V04, V24-V26, V48-V51, I02, x=2,3,6,7
DL8x_V04, V36-V39, x=2,3,6,7

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
85	DL85_V33
86	DL85_V32
87	DL85_V30
88	DL85_V13
89	DL50_V07
90	DL70_V37
91	DL85_V14
92	DL70_I06
93	DL85_V15
94	DL70_V39
95	DL85_V17
96	DL70_V56
97	DL80_V35
98	DL80_V34
99	DL80_V46
100	DL80_V33
101	DL80_V32
102	DL80_V27
103	DL80_V25
104	DL80_V24
105	DL80_V23
106	DL80_V21
107	DL80_V20
108	DL80_V13
109	DL50_V11
110	DL70_V57
111	DL80_V14
112	+proc(s7.0_to_s4.0)
113	DL40_V09
114	DL50_I02
115	+proc(s7.0_to_s4.0)
116	DL40_V10
117	DL50_I08
118	+proc(s7.0_to_s4.0)
119	DL40_I01
120	DL50_I09
121	+proc(s7.0_to_s4.0)
122	DL40_I03
123	DL50_I10
124	+proc(s7.0_to_s4.0)
125	DL40_I04
126	DL50_I11

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
127	+proc(s7.0_to_s4.0)
128	DL40_I05
129	DL50_I12
130	+proc(s7.0_to_s4.0)
131	DL40_I06
132	DL50_I13
133	+proc(s7.0_to_s4.0)
134	DL40_I07
135	DL50_I14
136	+proc(s7.0_to_s4.0)
137	DL40_I08
138	DL50_I15
139	+proc(s7.0_to_s4.0)
140	DL40_I09
141	DL50_I16
142	+proc(s7.0_to_s4.0)
143	DL40_I10
144	DL50_I17
145	+proc(s7.0_to_s4.0)
146	DL40_I11
147	DL50_I18
148	+proc(s7.0_to_s4.0)
149	DL40_I12
150	DL50_I19
151	+proc(s7.0_to_s4.0)
152	DL40_I13
153	DL50_I20
154	+proc(s7.0_to_s4.0)
155	DL40_I14
156	DL50_I21
157	+proc(s7.0_to_s4.0)
158	DL40_I16
159	DL50_V12
160	+proc(s7.0_to_s4.0)
161	DL40_I17
162	DL50_N01
163	+proc(s7.0_to_s4.0)
164	DL40_N01
165	DL50_N02
166	+proc(s7.0_to_s4.0)
167	DL40_N02
168	DL50_N03

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
169	+proc(s7.0_to_s4.0)
170	DL40_N03
171	DL50_N04
172	+proc(s7.0_to_s7.4)
173	DL74_V13
174	DL50_N05
175	+proc(s7.0_to_s7.4)
176	DL74_V14
177	+proc(s7.0_to_s7.4)
178	DL74_V17
179	+proc(s7.0_to_s7.4)
180	DL74_N01
181	+proc(s7.0_to_s7.4)
182	DL74_N02
183	+proc(s7.0_to_s7.4)
184	DL74_N03
185	+proc(s7.0_to_s7.4)
186	DL74_N04
187	+proc(s7.0_to_s7.4)
188	DL74_N05
189	+proc(s7.0_to_s7.4)
190	DL74_N06
191	+proc(s7.0_to_s7.4)
192	DL74_N07
193	+proc(s7.0_to_s7.4)
194	DL74_N08
195	+proc(s7.0_to_s7.4)
196	DL74_N09
197	+proc(s7.0_to_s7.4)
198	DL74_N10
199	+proc(s7.0_to_s7.4)
200	DL74_N11
201	+proc(s7.0_to_s7.4)
202	DL74_N12
203	+proc(s7.0_to_s7.4)
204	DL74_N13
205	+proc(s7.0_to_s7.4)
206	DL74_N14
207	+proc(s7.0_to_s7.4)
208	DL74_N15
209	+proc(s7.0_to_s7.4)
210	DL74_N16

ORDER OF EXECUTION FOR TEST CASES	
STEP	TEST BODY
211	+proc(s7.0_to_s7.4)
212	DL74_N17
213	+proc(s7.0_to_s7.4)
214	DL74_N18
215	+proc(s7.0_to_s7.4)
216	DL74_N19
217	+proc(s7.0_to_s7.4)
218	DL74_N20
219	+proc(s7.0_to_s7.4)
220	DL74_N21
221	+proc(s7.0_to_s7.4)
222	DL74_N22
223	+proc(s7.0_to_s7.4)
224	DL74_N23
225	+proc(s7.0_to_s7.4)
226	DL74_N24
227	+proc(s7.0_to_s7.4)
228	DL74_N25
229	+proc(s7.0_to_s7.4)
230	DL74_N26
231	+proc(s7.0_to_s7.4)
232	DL74_N27
233	+proc(s7.0_to_s7.4)
234	DL74_V08
235	DL71_N12
236	+proc(s7.0_to_s7.4)
237	DL74_V10
238	DL71_N13
239	+proc(s7.0_to_s7.4)
240	DL74_V20
241	DL71_N14
242	+proc(s7.0_to_s7.4)
243	DL74_V21
244	DL71_N15
245	+proc(s7.0_to_s7.4)
246	DL74_I01
247	DL71_N16
248	+proc(s7.0_to_s7.4)
249	DL74_V23
250	DL71_N17
251	+proc(s7.0_to_s7.4)
252	DL74_V30

Table III-2. Test Case Selection (continued)	
Test Case Name	Selection Expression Number
DM50	
V01	34
V03-04	27
V07-V10	27
V14	28
V15-17	29
All others	6
DM60	
V01	30
V03-04	32
V07-V10	32
V14	33
V15-V17	31
All others	17
DM70	
V01	16
V03-04	2
V07-V10	2
V13-V14	18
DM74	
V11	1
V03-04	18
V15	1
DM80	
V01	16
V03-04	2
V07-V10	2
V11	1

Table III-2. Test Case Selection (continued)	
Test Case Name	Selection Expression Number
V13-14	18
DM84	
V11, V15	1
V13-V14	18
DL10	
I01-02	36
V01	36
I13	36
DL20	
All	3
DL40	
V01	5
All others	4
DL50	
N01-N10	24
All others	6
DL51	
N01-N10	6
DL60	
N01-N10	19
All others	17
DL70, 71, 74, 75	
V01	10
V03	11
V04	12
V24-26	12
V27-29	11
V33-35	11

Table III-2. Test Case Selection (continued)	
Test Case Name	Selection Expression Number
V40-43	11
V48-51	12
V52-56	11
V57 (DL74, DL75)	7
V57 (DL70, DL71)	13
V57 (DL70, DL71)	7
I02	12
I03	11
I05	11
I07	11
DL72, 73, 76, 77	
V04	20
V03	21
V04	22
V24-26	22
V27-29	21
V33-35	21
V40, 41, 43	21
V48-51	22
V52-56	21
V57 (DL72, DL73)	23
V58 (DL76, DL77)	8
V59 (DL72, DL73)	8
I02	22
I03	21
I05	21
I07	21
All others	7

Table III-2. Test Case Selection (continued)	
Test Case Name	Selection Expression Number
DL80, 81, 84, 85	
V01	10
V03	11
V04	12
V36-39	12
V40-43	11
V45	11
V46	13
V47	7
DL82, 83, 86, 87	
V01	20
V03	21
V04	22
V36-39	22
V40-43	21
V45	21
V46	23
All others	7
DS10	
N01	36
N03-N13	36
DS20	
N01-N14	3
DS40	
N01-N15	4
DS50	
N15-N17	6
DS60	

Table III-2. Test Case Selection (continued)	
Test Case Name	Selection Expression Number
N15	17
N17	17
DS70	
N02	15
NET3	
DS40_1_1	14
DS40_1_2	14
DS40_1_3	14
DS40_1_4	14
DS40_2_1	14
DS70_2_2	14
DS70_2_3	14
DS80_2_4	14
DS70_4_2a	14
DS70_4_2b	14
DS70_4_3	14
DS70_4_4	17
DS74_5_1	14
DS10_7_1	37
DS10_7_2	3
DS10_7_4	3
DS40_8_1_1	4
DS40_8_2_2	4
DS70_8_4_2	14
DS40_8_6_1	4
DS40_8_6_2	4
DS10_8_7	38

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