



## Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003060 Transaction Set 180M Return Merchandise Authorization and Notification (Material Returns Reporting)

**Implementation Convention** 



U.S. DEPARTMENT OF COMMERCE Technology Administration National Institute of Standards and Technology he National Institute of Standards and Technology was established in 1988 by Congress to "assist industry in the development of technology . . . needed to improve product quality, to modernize manufacturing processes, to ensure product reliability . . . and to facilitate rapid commercialization . . . of products based on new scientific discoveries."

NIST, originally founded as the National Bureau of Standards in 1901, works to strengthen U.S. industry's competitiveness; advance science and engineering; and improve public health, safety, and the environment. One of the agency's basic functions is to develop, maintain, and retain custody of the national standards of measurement, and provide the means and methods for comparing standards used in science, engineering, manufacturing, commerce, industry, and education with the standards adopted or recognized by the Federal Government.

As an agency of the U.S. Commerce Department's Technology Administration, NIST conducts basic and applied research in the physical sciences and engineering, and develops measurement techniques, test methods, standards, and related services. The Institute does generic and precompetitive work on new and advanced technologies. NIST's research facilities are located at Gaithersburg, MD 20899, and at Boulder, CO 80303. Major technical operating units and their principal activities are listed below. For more information contact the Publications and Program Inquiries Desk, 301-975-3058.

#### Office of the Director

- · National Quality Program
- International and Academic Affairs

#### **Technology Services**

- Standards Services
- Technology Partnerships
- Measurement Services
- Technology Innovation
- Information Services

#### **Advanced Technology Program**

- · Economic Assessment
- Information Technology and Applications
- · Chemical and Biomedical Technology
- Materials and Manufacturing Technology
- Electronics and Photonics Technology

## Manufacturing Extension Partnership Program

- Regional Programs
- National Programs
- Program Development

## **Electronics and Electrical Engineering Laboratory**

- Microelectronics
- Law Enforcement Standards
- Electricity
- Semiconductor Electronics
- Electromagnetic Fields<sup>1</sup>
- Electromagnetic Technology<sup>1</sup>
- Optoelectronics<sup>1</sup>

## Chemical Science and Technology Laboratory

- Biotechnology
- Physical and Chemical Properties<sup>2</sup>
- Analytical Chemistry
- · Process Measurements
- · Surface and Microanalysis Science

#### Physics Laboratory

- Electron and Optical Physics
- Atomic Physics
- Optical Technology
- lonizing Radiation
- Time and Frequency<sup>1</sup>
- Quantum Physics<sup>1</sup>

## Materials Science and Engineering Laboratory

- Intelligent Processing of Materials
- Ceramics
- Materials Reliability<sup>1</sup>
- Polymers
- Metallurgy
- NIST Center for Neutron Research

## Manufacturing Engineering Laboratory

- Precision Engineering
- Automated Production Technology
- Intelligent Systems
- Fabrication Technology
- Manufacturing Systems Integration

## **Building and Fire Research Laboratory**

- Structures
- Building Materials
- Building Environment
- Fire Safety Engineering
- Fire Science

#### **Information Technology Laboratory**

- Mathematical and Computational Sciences<sup>2</sup>
- Advanced Network Technologies
- Computer Security
- Information Access and User Interfaces
- High Performance Systems and Services
- Distributed Computing and Information Services
- Software Diagnostics and Conformance Testing

At Boulder, CO 80303.

<sup>&</sup>lt;sup>2</sup>Some elements at Boulder, CO.

## Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003060 Transaction Set 180M Return Merchandise Authorization and Notification (Material Returns Reporting)

### **Implementation Convention**

Electronic Commerce Acquisition Program Management Office Standard Management Committee - Secretariat National Institute of Standards and Technology Gaithersburg, MD 20899-0001

Editor: Dr. Jean-Philippe Favreau

August 1998



U.S. DEPARTMENT OF COMMERCE William M. Daley, Secretary

Technology Administration
Gary R. Bachula, Acting Under Secretary for Technology

National Institute of Standards and Technology Raymond G. Kammer, Director

### **Reports on Information Technology**

The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

National Institute of Standards and Technology Special Publication 881-72
Natl. Inst. Stand. Technol. Spec. Publ. 881-72, 30 pages (Aug. 1998)
CODEN: NSPUE2

U.S. GOVERNMENT PRINTING OFFICE WASHINGTON: 1998

## 180 Return Merchandise Authorization and Notification

Functional Group ID=AN

#### Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Return Merchandise Authorization and Notification Transaction Set (180) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can provide for customary and established business and industry practice relative to the returning of merchandise to the vendor. This transaction set may satisfy request for returns, authorization or disposition of the return, notification of return, or notification of consumer return.

#### Notes:

- 1. Organizations use this transaction set to report the availability of material to the wholesale distribution system, to report the automatic shipment of material to storage or repair facilities, to request cancellation of previously submitted reports, and to inquire about the status of previously submitted transactions.
- 2. Use a single occurrence of this transaction set to transmit single or multiple material returns information transactions to one or more Inventory Control Points (ICPs) or Integrated Material Managers (IMMs).
- 3. A single transaction set may contain a combination of transactions for standard and nonstandard material.
- 4. Each transaction within a transaction set may report, for a single transaction number, one or more quantities distinguished by one or more characteristics.
- 5. Users operating under the Defense Logistics Management System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table and Accounting Classification Appendix which can be found on the National Institute of Standards and Technology (NIST) World Wide Web site.

#### Heading:

Must Use	Pos. No. 010	Seg. <u>ID</u> ST	Name Transaction Set Header	Req. <u>Des.</u> M	Max.Use	Loop Repeat	Notes and Comments
Must Use	020	BGN	Beginning Segment	M	1		
Not Used	030	RDR	Return Disposition Reason	O	1		
Not Used	040	PRF	Purchase Order Reference	О	1		
Not Used	050	DTM	Date/Time Reference	O	10		
Not Used	060	N9	Reference Identification	O	10		
Not Used	070	PER	Administrative Communications Contact	О	2		
Not Used	080	SAC	Service, Promotion, Allowance, or Charge Information	O	10		
Not Used	085	G38	Claim Payment Information	O	1		
Not Used	090	PKG	Marking, Packaging, Loading	О	5		
Not Used	100	TD1	Carrier Details (Quantity and Weight)	О	10		
Not Used	110	TD5	Carrier Details (Routing Sequence/Transit Time)	O	10		
Not Used	115	NTE	Note/Special Instruction	0	5		

LOOP ID - N1 200

180M - Return Merchandise Authorization and Notification (Material Returns Reporting)

Must Use	120	N1	Name	O	1		
Not Used	130	N2	Additional Name Information	O	2		
Not Used	140	N3	Address Information	O	2		
Not Used	150	N4	Geographic Location	O	1		
Not Used	160	PER	Administrative Communications Contact	О	5		
			LOOP ID - LM			10	
Not Used	170	LM	Code Source Information	O	1		
Not Used	180	LQ	Industry Code	M	100		

### Detail:

	Pos.	Seg. <u>ID</u>	<u>Name</u>	Req. Des.	Max.Use	Loop <u>Repeat</u>	Notes and Comments
			LOOP ID - BLI			>1	
Must Use	010	BLI	Baseline Item Data	О	1		n1
Must Use	011	N9	Reference Identification	O	20		
Not Used	020	PID	Product/Item Description	O	5		
Not Used	030	RDR	Return Disposition Reason	0	1		
Not Used	040	SAC	Service, Promotion, Allowance, or Charge Information	O	10		
Not Used	042	AMT	Monetary Amount	0	>1		
Not Used	044	MEA	Measurements	О	>1		
Not Used	046	CRC	Conditions Indicator	O	>1		
Not Used	048	NTE	Note/Special Instruction	O	>1		
Not Used	050	PRF	Purchase Order Reference	O	1		
	051	AT	Financial Accounting	O	>1		
Not Used	052	DTM	Date/Time Reference	O	15		
Not Used	053	DD	Demand Detail	0	100		
Not Used	054	GF	Furnished Goods and Services	0	1		
Not Used	055	TD5	Carrier Details (Routing Sequence/Transit Time)	О	5		
Not Used	056	SDQ	Destination Quantity	0	100		
			LOOP ID - LM			10	
Must Use	057	LM	Code Source Information	O	1		
Must Use	058	LQ	Industry Code	М	100		
			LOOP ID - N1			200	
Must Use	060	N1	Name	O	1		
Not Used	070	N2	Additional Name Information	O	2		
Not Used	080	N3	Address Information	O	2		
Not Used	090	N4	Geographic Location	O	1		
Not Used	100	PER	Administrative Communications Contact	0	5		
			LOOP ID - QTY			>1	
Must Use	110	QTY	Quantity	О	1		
Not Used	120	AMT	Monetary Amount	O	5		
	130	DTM	Date/Time Reference	O	10		
Not Used	140	N1	Name	0	1		n2
			LOOP ID - LM			10	
Must Use	150	LM	Code Source Information	O	1		
Must Use	160	LQ	Industry Code	M	100		
			LOOP ID - LX			>1	

180M - Return Merchandise Authorization and Notification (Material Returns Reporting)

No. 11- d	170 180	LX N9	Assigned Number Reference Identification	0	1 >1	n3
Not Used	190 200	DTM N1	Date/Time Reference Name LOOP ID - LM	0	10	n4
Not Used	210	LM	Code Source Information	0	1	10
Not Used Must Use	220	LQ SE	Industry Code Transaction Set Trailer	M 	100	

#### **Transaction Set Notes**

- 1. Quantity is specified either in the BLI segment (BLI03) or in the QTY segment.
- 2. The N1 segment is used to identify the location of the material specified in the QTY loop.
- 3. The LX loop conveys serial number, lot number and inventory data.
- 4. The N1 segment identifies the name of the manufacturer associated with the serial or lot number specified in the LX loop.

Segment: ST Transaction Set Header

Position: 010

Loop:

Level: Heading Usage: Mandatory

Max Use:

Purpose:

To indicate the start of a transaction set and to assign a control number

Syntax Notes: Semantic Notes:

1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:** 

			Dutu Biem	cit Summing		
	Ref. Des.	Data Element	Name		Affi	ributes
B./f 4 F.T.				Lundiffican Condo	7.5	•
Must Use	ST01	143	Transaction Set Id		M	ID 3/3
			Code uniquely iden	tifying a Transaction Set		
			180	X12.255 Return Merchandise Authoriza Notification	ation	and
Must Use	ST02	329	Transaction Set C	ontrol Number	$\mathbf{M}$	AN 4/9
				number that must be unique within the tra		ion set
			· 1	issigned by the originator of the transact		et, or the

Segment: BGN Beginning Segment

Position: 020

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

**Purpose:** To indicate the beginning of a transaction set

Syntax Notes: 1 If BGN05 is present, then BGN04 is required.
Semantic Notes: 1 BGN02 is the transaction set reference number.

2 BGN03 is the transaction set date.

**3** BGN04 is the transaction set time.

4 BGN05 is the transaction set time qualifier.

5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

#### Comments:

	D 4		Data Elei	ment Summary		
Must Use	Ref. <u>Des.</u> BGN01	Data Element 353	Name Transaction Set 1	Purnosa Cada	Attr M	ibutes ID 2/2
wiust Use	DGNUI	333		ourpose of transaction set	IVI	ID 2/2
			00	Original		
				Simulation Exercise		
			77			
				Use to identify a simulated mobilization transaction set. Activities initiating simmobilization exercises must ensure concoordination with all activities involved transaction set recipients must use extremsure that individual transactions do action documents which affect account	nulated inpletedd. All reme d not pi	d caution to cocess as
Must Use	BGN02	127	Reference Identif	fication	M	AN 1/30
				ntion as defined for a particular Transaction	Set o	r as
				eference Identification Qualifier		
			Use Code "Z" for requirements.	this data element to satisfy mandatory X	12 syn	tax
Must Use	BGN03	373	Date		M	DT 6/6
			Date (YYMMDD)		Terreca)	
			This date correspo	onds to the Universal Time Coordinate (U	TC).	
Must Use	BGN04	337	Time		X	TM 4/8
			HHMMSSD, or H 59), S = integer se are expressed as for	24-hour clock time as follows: HHMM, of HMMSSDD, where H = hours (00-23), M conds (00-59) and DD = decimal seconds; follows: D = tenths (0-9) and DD = hundred	= min decim lths (0	utes (00- nal seconds 0-99)
			1. Express the original UTC.	ginating activity's time of transaction set p	prepai	ration in
			2. Express time in	a four-position (HHMM) format.		
Not Used	BGN05	623	Organization stand in hours in relation	he time. In accordance with International S dard 8601, time can be specified by a + or - 1 to Universal Time Coordinate (UTC) time r, + and - are substituted by P and M in the	- and a e; sinc	in indication ee + is a

Not Used	BGN06	127		fication O AN 1/30 ation as defined for a particular Transaction Set or as deference Identification Qualifier
Must Use	BGN07	640	Transaction Typ	7
mast oot	501.01	0.0		he type of transaction
			FT	Material Returns
				Notification by a military organization providing shipping information related to the return of material not needed
				Use to indicate the transaction set contains material returns program transactions.
	BGN08	306	Action Code	O ID 1/2
			Code indicating ty	
			ICPs/IMMs of au	at the transaction set contains transactions notifying atomatic shipments, requesting ICP/IMM cancellation of tted reports, or inquiring about the status of previously ctions.
			С	Cancelled
				Use to indicate a request to cancel a previously submitted report of material availability.
			RF	Returned to Shipper's Facility (Other Than Original Shipping Location)
				Use to indicate a notification of an automatic return shipment.
			RS	Report Status
				Use to indicate a request to provide receipt status for material previously reported as shipped.
			Т	Status Query
				Use to indicate an inquiry to the ICP/IMM requesting a reply to a previously submitted report of material availability.
Not Used	BGN09	786	Security Level Code indicating the	ode O ID 2/2 ne level of confidentiality assigned by the sender to the

information following

Segment: N1 Name

Position: 120

Loop: N1 Optional (Must Use)

Level: Heading

Usage: Optional (Must Use)

Max Use:

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: 1 At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing

organizational identification. To obtain this efficiency the "ID Code" (N104) must

provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: Must use this 1/N1/120 loop to identify the organization originating the transaction set.

			Data Elem	ent Summary
Must Use	Ref. <u>Des.</u> N101	Data Element 98	Name Entity Identifier C	ode  Attributes  M ID 2/2  organizational entity, a physical location, or an individual
			41	Submitter Entity transmitting transaction set
Not Used	N102	93	Name Free-form name	X AN 1/35
Must Use	N103	66	Identification Cod Code designating the Code (67) 1 9 10 A2	de System/method of code structure used for Identification  D-U-N-S Number, Dun & Bradstreet  D-U-N-S+4, D-U-N-S Number with Four Character Suffix  Department of Defense Activity Address Code (DODAAC)  Military Assistance Program Address Code (MAPAC)  Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity  Use to indicate the Security Assistance (SA) structured address data which identifies the submitter.  Interpretation of this data may require additional codes cited elsewhere in the transaction.
			M4	Department of Defense Routing Identifier Code (RIC) An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions
Must Use	N104	67	Identification Code Code identifying a p	
Not Used	N105	706	Entity Relationshi Code describing ent	
Must Use	N106	98	Entity Identifier C Code identifying an FR	organizational entity, a physical location, or an individual Message From
				Must use to indicate that the organization cited in N104 originated the transaction set.

Segment: BLI Baseline Item Data

Position: 010

Loop: BLI Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use:

Purpose: To specify basic item data: item identification, quantity, and price Syntax Notes: 1 If either BLI05 or BLI06 is present, then the other is required.

2 If BLI07 is present, then BLI06 is required.

3 If either BLI08 or BLI09 is present, then the other is required.
4 If either BLI10 or BLI11 is present, then the other is required.

5 If either BLI12 or BLI13 is present, then the other is required.

Semantic Notes: 1 BLI04, the unit of measure code applies to both quantity, (BLI03) and unit price (BLI06), unless BLI07 is present, in which case BLI04 applies only to BLI03, and

BLI07 applies only to BLI06.

Comments: 1 Element 235/234 combinations should be interpreted to include products or services.

See the Data Element Dictionary for a complete list of IDs.

2 BLI01, BLI02, and BLI08 through BLI13 provide for four different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No.,

Model, SKU.

Notes: Must use to identify the material associated with the transaction.

			Data Ele	ment Summary
Must Use	Ref. Des. BLI01	Data Element 235	Name Product/Service Code identifying Product/Service I	the type/source of the descriptive number used in
			Use only one of comaterial. Must unwhen appropriate	rodes A1, A2, A4, FB, FS, FT, MG, or YP to identify the see the National Stock Number (NSN) when known, except to brand name subsistence items are identified by the tification Number.
			A1	Plant Equipment Number
				Item identifier is a plant equipment number
				Use to identify plant equipment.
			A2	Department of Defense Identification Code (DoDIC)
				Qualifies a code that uniquely identifies a type of explosive or ammunition
				Use to identify ammunition items.
			A4	Subsistence Identification Number
				Item identifier is a brand-name resale subsistence item
				Use to identify subsistence items.
			FB	Form Number
				Use to identify the form stock number.
			FS	National Stock Number
			MG	Manufacturer's Part Number
				Use to identify nonstandard material.
			YP	Publication Number

#### Use to identify the publication stock number.

Must Use	BLI02	234	Product/Service ID M A Identifying number for a product or service	AN 1/40
Not Used	BLI03	380	Quantity O R Numeric value of quantity	R 1/15
Not Used	BLI04	355	Code specifying the units in which a value is being expressed, or mai	D 2/2 nner in
	DI IOS	226	which a measurement has been taken  Price Identifier Code X II	D 2/2
	BLI05	236	Price Identifier Code X II  Code identifying pricing specification	D 3/3
			Use to provide the unit price for non-standard material only.	
			ACT Actual	
			The final negotiated contract price	
			EST Estimated Price	
	BLI06	212	Unit Price X R	R 1/17
			Price per unit of product, service, commodity, etc.	
Not Used	BLI07	355		D 2/2
			Code specifying the units in which a value is being expressed, or man	nner in
	BLI08	235	which a measurement has been taken  Product/Service ID Qualifier X II	D 2/2
	DLIU0	233	Code identifying the type/source of the descriptive number used in	D 2/2
			Product/Service ID (234)	
			ZB Commercial and Government Entity (CAGE) C	Code
			A code that identifies a commercial contractor	
			authorized to do business with the U.S. governm	
				a
			Use with BLI01 code MG to uniquely identify a	и
			manufacturer's part number.	и
	BLI09	234	manufacturer's part number.	aN 1/40
	BLI09	234	manufacturer's part number.	
Not Used	BLI09	234 235	manufacturer's part number.  Product/Service ID X A Identifying number for a product or service Product/Service ID Qualifier X II	
Not Used			manufacturer's part number.  Product/Service ID X A  Identifying number for a product or service  Product/Service ID Qualifier X II  Code identifying the type/source of the descriptive number used in	AN 1/40
	BLI10	235	manufacturer's part number.  Product/Service ID X A  Identifying number for a product or service  Product/Service ID Qualifier X II  Code identifying the type/source of the descriptive number used in Product/Service ID (234)	AN 1/40 D 2/2
Not Used			manufacturer's part number.  Product/Service ID X A  Identifying number for a product or service  Product/Service ID Qualifier X II  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID X A	AN 1/40
	BLI10 BLI11	235 234	manufacturer's part number.  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service	AN 1/40 D 2/2
Not Used	BLI10	235	Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identifying the type/source of the descriptive number used in the code identified in the code ident	AN 1/40 D 2/2 AN 1/40
Not Used Not Used	BLI10 BLI11 BLI12	<ul><li>235</li><li>234</li><li>235</li></ul>	Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)	AN 1/40 D 2/2 AN 1/40 D 2/2
Not Used	BLI10 BLI11	235 234	Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID (234)  Product/Service ID (234)  Product/Service ID (234)	AN 1/40 D 2/2 AN 1/40
Not Used Not Used	BLI10 BLI11 BLI12 BLI13	<ul><li>235</li><li>234</li><li>235</li><li>234</li></ul>	manufacturer's part number.  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)	AN 1/40 D 2/2 AN 1/40 D 2/2
Not Used Not Used	BLI10 BLI11 BLI12	<ul><li>235</li><li>234</li><li>235</li></ul>	manufacturer's part number.  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID (234)  Product/Service ID (234)  Product/Service ID (234)	AN 1/40 D 2/2 AN 1/40 D 2/2
Not Used Not Used	BLI10 BLI11 BLI12 BLI13	<ul><li>235</li><li>234</li><li>235</li><li>234</li></ul>	Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID Qualifier  X II  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  X A  Identifying number for a product or service  Product Option Code  Code indicating an option chosen for the product  Product Option Code  O II	AN 1/40 D 2/2 AN 1/40 D 2/2
Not Used Not Used Not Used Not Used	BLI10 BLI11 BLI12 BLI13 BLI14 BLI15	235 234 235 234 1161 1161	Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product	AN 1/40 D 2/2 AN 1/40 D 2/2 AN 1/40 D 1/2 D 1/2
Not Used  Not Used  Not Used	BLI10 BLI11 BLI12 BLI13 BLI14	<ul><li>235</li><li>234</li><li>235</li><li>234</li><li>1161</li></ul>	Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  O II	AN 1/40 D 2/2 AN 1/40 D 2/2 AN 1/40 D 1/2
Not Used Not Used Not Used Not Used Not Used Not Used	BLI10 BLI11 BLI12 BLI13 BLI14 BLI15 BLI16	235 234 235 234 1161 1161 1161	Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product	AN 1/40 D 2/2 AN 1/40 D 2/2 AN 1/40 D 1/2 D 1/2 D 1/2
Not Used Not Used Not Used Not Used	BLI10 BLI11 BLI12 BLI13 BLI14 BLI15	235 234 235 234 1161 1161	Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  O II	AN 1/40 D 2/2 AN 1/40 D 2/2 AN 1/40 D 1/2 D 1/2
Not Used Not Used Not Used Not Used Not Used Not Used	BLI10 BLI11 BLI12 BLI13 BLI14 BLI15 BLI16	235 234 235 234 1161 1161 1161 1161	Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  O II  Code indicating an option chosen for the product	AN 1/40 D 2/2 AN 1/40 D 2/2 AN 1/40 D 1/2 D 1/2 D 1/2 D 1/2
Not Used	BLI10 BLI11 BLI12 BLI13 BLI14 BLI15 BLI16 BLI17	235 234 235 234 1161 1161 1161	Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Product/Service ID  Identifying number for a product or service  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product  Product Option Code  Code indicating an option chosen for the product	AN 1/40 D 2/2 AN 1/40 D 2/2 AN 1/40 D 1/2 D 1/2 D 1/2

Segment: N9 Reference Identification

Position: 011

Loop: BLI Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 20

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes: 1 At least one of N902 or N903 is required.

2 If N906 is present, then N905 is required.

3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 N906 reflects the time zone which the time reflects.

2 N907 contains data relating to the value cited in N902.

Comments:

Notes:

			Data Element Summary		
Must Use	Ref. <u>Des.</u> N901	Data Element 128	Name Reference Identification Qualifier Code qualifying the Reference Identification TN Transaction Reference Number  Must use to identify the transaction nutransaction.	M	ributes ID 2/3 r for each
Must Use	N902	127	Reference Identification Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	X n Set	AN 1/30 or as
Not Used	N903	369	Free-form Description Free-form descriptive text	X	AN 1/45
Not Used	N904	373	Date Date (YYMMDD)	O	DT 6/6
Not Used	N905	337	Time Time expressed in 24-hour clock time as follows: HHMM, of HHMMSSD, or HHMMSSDD, where H = hours (00-23), M 59), S = integer seconds (00-59) and DD = decimal seconds; are expressed as follows: D = tenths (0-9) and DD = hundred	= mi decir	nutes (00- mal seconds
Not Used	N906	623	Time Code Code identifying the time. In accordance with International S Organization standard 8601, time can be specified by a + or in hours in relation to Universal Time Coordinate (UTC) time restricted character, + and - are substituted by P and M in the	O Standa - and ne; sin	ID 2/2 ards an indication ace + is a
	N907	C040	Reference Identifier  To identify one or more reference numbers or identification specified by the Reference Qualifier	<b>O</b> numb	ers as
Must Use	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification W8 Suffix Differentiates between partial actions to original transaction Use with N901 code TN in cancellatio (BGN08 code C) and inquiries (BGN08 identify the transaction number suffix	n req 8 coa	uests
Must Use	C04002	127	Reference Identification	M	AN 1/30

180M - Return Merchandise Authorization and Notification (Material Returns Reporting)

			Reference information as defined for a particular Transacti specified by the Reference Identification Qualifier	on Set	or as
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	X on Set	AN 1/30 or as
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	X on Set	AN 1/30 or as

Segment: AT Financial Accounting

Position: 051

Loop: BLI Optional (Must Use)

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To transmit financial accounting data

Syntax Notes: Semantic Notes:

1 If AT10 is present, then AT01 is required.

Comments:

ments: 1 AT09 identifies unique local activity financial accounting information.

Notes: 1. Use multiple repetitions to identify the fund purpose code, appropriation

1. Use multiple repetitions to identify the fund purpose code, appropriation, and/or fund codes for goods, services, and related adjustments.

2. DLMS users see the Accounting Classification Appendix for AT02, AT07 and AT09.

	Ref.	Data	Data Element Summary		
	Des.	Element	Name	Att	ributes
Must Use	AT01	1271	Industry Code	X	AN 1/30
			Code indicating a code from a specific industry code list		
			Use any code except "CR" or "DR".		
	AT02	1282	Treasury Symbol Number	O	AN 7/21
			Number identifying a department, fiscal year, treasury accourance appropriation limit for a standard accounting classification curve to identify the basic appropriation number.		
	AT03	1283	Budget Activity Number	0	AN 1/16
		1200	Number identifying an administrative subdivision of funds a transaction is to be charged for a standard accounting classif structure	gainst	t which a
			Use to identify the fund code.		
Not Used	AT04	1284	Object Class Number	0	AN 3/12
			Number identifying the nature of the goods or services acqui office or organization using resources for a standard account coding structure		
Not Used	AT05	1285	Reimbursable Source Number	0	AN 1/3
			Number identifying the source of an appropriation or fund re standard accounting classification coding structure	imbu	rsement for a
Not Used	AT06	1286	Transaction Reference Number	0	AN 4/20
			Number identifying an original request for goods and service		
	AT07	1287	financial transaction for a standard accounting classification Accountable Station Number	coain O	·
			Number identifying an office responsible for entering a finar	icial t	
			into the applicable accounting system for a standard accounting structure		
			Use AT07 to identify the Authorized Accounting Activity (A		
			Disbursing Station Number (ADSN)/Fiscal Station Number		•
Not Used	AT08	1288	Paying Station Number	0	AN 8/14
			Number identifying an office responsible for making a paym and the corresponding voucher number under which the action and an action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the action of the corresponding voucher number under which the corresponding voucher number under which the corresponding voucher number under the corresponding voucher number of the corresponding voucher number under the corresponding voucher number under the corresponding voucher number of the correspond		
	AT09	352	standard accounting classification coding structure  Description	0	AN 1/80
	AIU	JJE	A free-form description to clarify the related data elements a	_	
			Cite the supplemental accounting classification data.	na tiit	ii content
Must Use	AT10	1270	Code List Qualifier Code	0	ID 1/3
Must Use	AIIU	12/0	Code Dist Qualifier Code	U	1D 1/3

180M - Return Merchandise Authorization and Notification (Material Returns Reporting)

Code identifying a specific industry code list FP Fund Purpose

Segment: LM Code Source Information

Position: 057

Loop: LM Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use:

Purpose: To transmit standard code list identification information

Syntax Notes: Semantic Notes:

Comments: 1 LM02 identifies the applicable industry code list source information.

Notes: Must use this 2/LM/057 loop to identify coded information maintained in department

or agency documentation.

Must Use	Ref. <u>Des.</u> LM01	Data Element 559	Name Agency Qualif		Att:	ributes ID 2/2
			Code identifying	ng the agency assigning the code values		
			DF	Department of Defense (DoD)		
	LM02	822	Source Subqua	alifier	O	AN 1/15
			A reference tha	t indicates the table or text maintained by the	Sour	ce Qualifier

Segment: LQ Industry Code

Position: 058

Loop: LM Optional (Must Use)

Level: Detail
Usage: Mandatory
Max Use: 100

Purpose: Code to transmit standard industry codes

Syntax Notes: 1 If LQ01 is present, then LQ02 is required.

Semantic Notes:

Comments: Notes:

Use to identify codes, as appropriate, consistent with management information

requirements.

	D.C	Data	Data Elen	ient Summary				
	Ref.	Data	Nama		A 44.	ibutos		
Must Use	<u>Des.</u> LQ01	Element 1270	Name Code List Qualifie	or Codo	O	ributes ID 1/3		
Widst Osc	LQUI	12/0	•	specific industry code list	O	10 1/3		
			0	Document Identification Code				
			V	Codes that subclassify a transaction				
			70	·				
			78	Project Code				
				Codes that relate a transaction to specia				
				exercises, projects, operations, or other				
				Use as needed to identify special progr projects, operations, and other purpose		exercises,		
				projects, operations, una other purpose	53.			
			79	Priority Designator Code	ator Code			
				The priority of a transaction				
				Use for notification for automatic retu	rns.			
			80	Advice Code				
			80			matiros		
				Instructions to transaction recipients wh	ien na	irratives		
			87	Subsistence Type of Pack Code				
				A certain level of protection from the pa	acking	or outside		
				shipping container for perishable and no				
				subsistence items	•			
				Use with subsistence items only.				
			A9	Supplementary Address				
				Identifies the originating organization's	uniqu	e logistics		
				information		-		
			DE	Signal Code				
			DF	Media and Status Code				
	LQ02	1271	Industry Code		X	AN 1/30		
			Code indicating a c	code from a specific industry code list				

Segment: N1 Name

Position: 060

Loop: N1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use:

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: 1 At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing

organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Notes: 1. Must use one iteration of this 2/N1/060 loop to identify the organization to receive

the transaction.

2. Use additional iterations to identify other organizations associated with the

transaction.

		transacti	ion.		
			Data Elen	nent Summary	
Must Use	Ref. <u>Des.</u> N101	Data Element 98	Name Entity Identifier (		
			CN	Consignee  Use in automatic shipment notifications to consignee for the returned material.	
			SF	Ship From	
				Use in material availability reports and autoshipment notifications to identify the organ from which the material is shipped if differenthe organization originating the transaction	ization ent from
			Z1	Party to Receive Status  An organization that will receive information transaction	n about a
				Use to identify the party to receive status whe different from Service/Agency prescribed states recipient. Use multiple iterations to identify recipients, as required.	atus
			Z4	Owning Inventory Control Point	
			ZB	An inventory control organization responsible management of a particular item Party to Receive Credit	le for
				The organization to which credit will be gran	nted
				Use as needed for material availability repo automatic shipment notifications to identify organization to receive credit if different fro organization originating the transaction set	the om the
Not Used	N102	93	Name Free-form name	X	AN 1/35

Must Use	N103	66	Identification Code Qualifier X ID Code designating the system/method of code structure used for Identification Code (67)				
			1	D-U-N-S Number, Dun & Bradstreet			
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix			
			10	Department of Defense Activity Address Code (DODAAC)			
			A2	Military Assistance Program Address Code (MAPA			
				Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity			
				Use to indicate the SA structured address identifies the ship-from address. Interpredata may require additional codes cited ethe transaction.			
			M4	Department of Defense Routing Identif	ifier Code (RIC)		
				An integral and predetermined participal established logistical system performing control, distribution, and storage functions.	g gen		
Must Use	N104	67	<b>Identification Cod</b> Code identifying a	_	X	AN 2/20	
Not Used	N105	706	Entity Relationshi Code describing en		O	ID 2/2	
	N106	98	Entity Identifier C	ode	O	ID 2/2	
			Code identifying an	organizational entity, a physical location	i, or a	n individual	

TO Message To

Must use with the appropriate 2/N101/060 code to indicate the organization cited in N104 is receiving the transaction.

Segment: QTY Quantity

Position: 110

Loop: QTY Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use:

Purpose: To specify quantity information

Syntax Notes: Semantic Notes:

Comments: Notes:

Use multiple iterations of the 2/QTY/110 loop to stratify quantities associated with the

transaction by supply condition code.

	Dof	Data	Data Elellic	ent Summary
	Ref. Des.	Data <u>Element</u>	Name	Attributes
Must Use	QTY01	673	Quantity Qualifier	
	•		Code specifying the	
			01	Discrete Quantity
				Use in requests for cancellation to identify the quantity from the original report of material availability which is no longer available.
			28	Quantity Available for Return
				Use in reports of material availability.
			38	Original Quantity
				Use in inquiries requesting a reply to a previously submitted report to identify the quantity of the original report.
			39	Shipped Quantity
				Use in notifications of automatic shipment.
			AA	Unacknowledged Quantity
				Message received without network, or attendant recognition
				Use in receipt acknowledgment inquiries to identify the quantity shipped.
Must Use	QTY02	380	Quantity Numeric value of qu	M R 1/15
			Express the quantity	y as a whole number with no decimal.
	QTY03	C001	Composite Unit of	Measure O
			To identify a compo of use)	site unit of measure (See Figures Appendix for examples
Must Use	C00101	355	Unit or Basis for M Code specifying the which a measurement	units in which a value is being expressed, or manner in at has been taken
				nit of issue. DLMS users see the Unit of Issue and
Not Used	C00102	1018	Exponent	version Table for available codes. OR 1/15
1101 0360	C00102	1010	Power to which a un	
			-	

180M - Return Merchandise Authorization and Notification (Material Returns Reporting)

Not Used	C00103	649	Multiplier	0	R	1/10
			Value to be used as a multiplier to obtain a new value			
Not Used	C00104	355	Unit or Basis for Measurement Code	0	II	2/2
			Code specifying the units in which a value is being expressed	, or	man	ner in
	C0010E	1010	which a measurement has been taken	_	~	
Not Used	C00105	1018	Exponent Power to which a unit is raised	O	R	1/15
NI - 4 III J	C00106	(40		0	D	1/10
Not Used	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	0	K	1/10
Not Used	C00107	355	Unit or Basis for Measurement Code	0	IT	2/2
Not Osed	Coolo	333	Code specifying the units in which a value is being expressed	_		
			which a measurement has been taken	, 01	iiiaii	inci ini
Not Used	C00108	1018	Exponent	O	R	1/15
			Power to which a unit is raised			
Not Used	C00109	649	Multiplier	O	R	1/10
			Value to be used as a multiplier to obtain a new value			
Not Used	C00110	355	Unit or Basis for Measurement Code	O		2/2
			Code specifying the units in which a value is being expressed which a measurement has been taken	, or	man	ner in
Not Used	C00111	1018	Exponent	0	R	1/15
			Power to which a unit is raised			
Not Used	C00112	649	Multiplier	O	R	1/10
			Value to be used as a multiplier to obtain a new value			
Not Used	C00113	355	Unit or Basis for Measurement Code	0		2/2
			Code specifying the units in which a value is being expressed which a measurement has been taken	, or	man	ner in
Not Used	C00114	1018	Exponent	0	R	1/15
			Power to which a unit is raised			
Not Used	C00115	649	Multiplier	0	R	1/10
			Value to be used as a multiplier to obtain a new value			

DTM Date/Time Reference Segment:

Position:

QTY Loop: Optional (Must Use)

Level: Detail Optional Usage: Max Use:

Purpose: To specify pertinent dates and times

At least one of DTM02 DTM03 or DTM06 is required. Syntax Notes:

If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Use multiple repetitions to identify dates associated with the material. Notes:

#### **Data Element Summary**

	Ref.	Data	Data Elem	cht Summar y		
	Des.	Element	Name		Attı	ributes
Must Use	DTM01	374	Date/Time Qualific	er	M	ID 3/3
				be of date or time, or both date and time		
			036	Expiration		
				Date coverage expires		
				Use for subsistence items only.		
			510	Date Packed		
				Use for subsistence items only.		
Must Use	DTM02	373	Date		X	DT 6/6
			Date (YYMMDD)			
Not Used	DTM03	337	Time		X	TM 4/8
Not Used	DTM04	623	HHMMSSD, or HH 59), S = integer seco are expressed as foll Time Code Code identifying the	24-hour clock time as follows: HHMM, of IMMSSDD, where H = hours (00-23), M and (00-59) and DD = decimal seconds; lows: D = tenths (0-9) and DD = hundred time. In accordance with International S	= mindecing this (0) tanda	nutes (00- nal seconds 10-99) ID 2/2 ards
			in hours in relation to restricted character,	ard 8601, time can be specified by a + or - to Universal Time Coordinate (UTC) time + and - are substituted by P and M in the	e; sine code	ce + is a s that follow
	DTM05	624	Century		0	N0 2/2
				ters in the designation of the year (CCYY	•	***
Not Used	DTM06	1250	Date Time Period I Code indicating the	Format Qualifier date format, time format, or date and time	X e forn	ID 2/3 nat
Not Used	DTM07	1251	Date Time Period Expression of a date	e, a time, or range of dates, times or dates	X and t	AN 1/35 imes

22 April 1998

Segment: LM Code Source Information

Position: 150

Loop: LM Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Purpose: To transmit standard code list identification information

**Syntax Notes: Semantic Notes:** 

Comments: 1 LM02 identifies the applicable industry code list source information.

Notes: Use the 2/LM/150 loop to identify the supply condition of the material.

	Ref. Des.	Data <u>Element</u>	<u>Name</u>		Att	<u>ributes</u>
Must Use	LM01	559	Agency (	Qualifier Code	M	ID 2/2
			Code ide	ntifying the agency assigning the code values		
			DF	Department of Defense (DoD)		
Not Used	LM02	822		subqualifier ace that indicates the table or text maintained by the	O Sour	AN 1/15 ce Qualifier

Segment: LQ Industry Code

Position: 160

Loop: LM Optional (Must Use)

Level: Detail
Usage: Mandatory
Max Use: 100

Purpose: Code to transmit standard industry codes

Syntax Notes: 1 If LQ01 is present, then LQ02 is required.

Semantic Notes: Comments:

Notes: Use to identify codes, as appropriate, consistent with management information

requirements.

Must Use	Ref. <u>Des.</u> LQ01	Data Element 1270	Name Code List Qualific Code identifying a	er Code specific industry code list	Att	ributes ID 1/3
			83	Supply Condition Code Classifies material by readiness for issi describes actions underway to change material, or identifies material as excesserviceable	the sta	itus of
Must Use	LQ02	1271	Industry Code Code indicating a	code from a specific industry code list	X	AN 1/30

Segment: LX Assigned Number

Position: 170

Loop: LX Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To reference a line number in a transaction set

Syntax Notes: Semantic Notes:

Comments: Notes:

1. Use as a counter for reports of material availability and notifications of automatic shipment to identify the number of 2/LX/170 loop iterations.

2. Use the 2/LX/170 loop to provide unique item tracking (UIT) information for controlled material.

#### **Data Element Summary**

24

	Ref.	Data		
	Des.	<b>Element</b>	Name	Attributes
Must Use	LX01	554	Assigned Number	M No 1/6

Number assigned for differentiation within a transaction set

In the first 2/LX/170 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.

N9 Reference Identification Segment:

Position:

180

LX Optional Loop:

Level: Detail Usage: Optional Max Use:

Purpose: Syntax Notes:

To transmit identifying information as specified by the Reference Identification Qualifier

At least one of N902 or N903 is required. If N906 is present, then N905 is required.

If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

N906 reflects the time zone which the time reflects.

N907 contains data relating to the value cited in N902.

Comments:

Notes:

Use multiple repetitions to identify a unique item identifier (UII), batch, or lot number.

	Ref.	Data	_ = = = = = = = = = = = = = = = = = = =	J		
Must Use	<u>Des.</u> N901	Element 128	Name Reference Identif Code qualifying th	ication Qualifier e Reference Identification	Attı M	ributes ID 2/3
			ВТ	Batch Number		
			LT	Use to identify the manufacturer's bate other number identifying the production Lot Number		
				Use to identify the manufacturer's lot	numb	er.
			SE	Serial Number		
				Use to identify a UII.		
Must Use	N902	127		ication tion as defined for a particular Transactior eference Identification Qualifier	X Set o	AN 1/30 or as
Not Used	N903	369	Free-form Descript		X	AN 1/45
Not Used	N904	373	Date Date (YYMMDD)		0	<b>DT</b> 6/6
Not Used	N905	337	HHMMSSD, or Hi 59), S = integer see	24-hour clock time as follows: HHMM, o HMMSSDD, where H = hours (00-23), M conds (00-59) and DD = decimal seconds; ollows: D = tenths (0-9) and DD = hundred	= min decin	nutes (00- nal s <b>e</b> conds
Not Used	N906	623	Time Code Code identifying the Organization stand in hours in relation restricted characters.	ne time. In accordance with International Stard 8601, time can be specified by a + or a to Universal Time Coordinate (UTC) time, + and - are substituted by P and M in the	O Standa - and e; sin	ID 2/2 ards an indication ce + is a
Not Used	N907	C040	Reference Identif To identify one or specified by the Re	more reference numbers or identification i	O 1umb	ers as
Not Used	C04001	128	Reference Identif		M	ID 2/3
Not Used	C04002	127		ication tion as defined for a particular Transactior eference Identification Qualifier	M Set o	<b>AN 1/30</b> or as

180M - Return Merchandise Authorization and Notification (Material Returns Reporting)

Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	X Set	AN 1/30 or as
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	X Set	AN 1/30 or as

N1 Name Segment:

Position: 200

> Loop: LX Optional

Level: Detail Usage: Optional

Max Use:

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:

1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

N105 and N106 further define the type of entity in N101.

Use to identify the manufacturer of the UIT item. Notes:

	Ref.	Data	•			
	Des.	Element	Name	Attı	<u>ributes</u>	
Must Use	N101	98	Entity Identifier Code	M	ID 2/2	
			Code identifying an organizational entity, a physical location	, or a	n individual	
			MF Manufacturer of Goods			
Not Used	N102	93	Name	X	AN 1/35	
			Free-form name			
Must Use	N103	66	Identification Code Qualifier	X	ID 1/2	
			Code designating the system/method of code structure used f	or Ide	entification	
			Code (67)			
			Commercial and Government Entity (CAGE)			
Must Use	N104	67	Identification Code	X	AN 2/20	
			Code identifying a party or other code			
Not Used	N105	706	Entity Relationship Code	0	ID 2/2	
			Code describing entity relationship			
Not Used	N106	98	Entity Identifier Code	O	ID 2/2	
			Code identifying an organizational entity, a physical location	, or a	n individual	

Segment: SE Transaction Set Trailer

Position: 230

Loop:

Level: Detail

Usage: Mandatory

Max Use:

Purpose: To indicate the end of the transaction set and provide the count of the transmitted

segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

**Semantic Notes:** 

Comments: 1 SE is the last segment of each transaction set.

Ref.	Data				
Des.	<b>Element</b>	Name	Attr	ibutes	
SE01	96	Number of Included Segments	M	N0 1/10	
		Total number of segments included in segments	a transaction set including S	T and SE	
SE02	329	functional group assigned by the origi	that must be unique within the transaction set by the originator for a transaction set		
	Des. SE01	Des. Element SE01 96	Des. Element SE01 96 Number of Included Segments Total number of segments included in segments SE02 329 Transaction Set Control Number Identifying control number that must functional group assigned by the original	Des. SE01 P6 Name Number of Included Segments Number of Segments Included in a transaction set including Segments	





# NIST Technical Publications

#### Periodical

Journal of Research of the National Institute of Standards and Technology—Reports NIST research and development in those disciplines of the physical and engineering sciences in which the Institute is active. These include physics, chemistry, engineering, mathematics, and computer sciences. Papers cover a broad range of subjects, with major emphasis on measurement methodology and the basic technology underlying standardization. Also included from time to time are survey articles on topics closely related to the Institute's technical and scientific programs. Issued six times a year.

### Nonperiodicals

Monographs—Major contributions to the technical literature on various subjects related to the Institute's scientific and technical activities.

Handbooks—Recommended codes of engineering and industrial practice (including safety codes) developed in cooperation with interested industries, professional organizations, and regulatory bodies.

Special Publications—Include proceedings of conferences sponsored by NIST, NIST annual reports, and

**Special Publications**—Include proceedings of conferences sponsored by NIST, NIST annual reports, and other special publications appropriate to this grouping such as wall charts, pocket cards, and bibliographies.

National Standard Reference Data Series—Provides quantitative data on the physical and chemical properties of materials, compiled from the world's literature and critically evaluated. Developed under a worldwide program coordinated by NIST under the authority of the National Standard Data Act (Public Law 90-396). NOTE: The Journal of Physical and Chemical Reference Data (JPCRD) is published bimonthly for NIST by the American Chemical Society (ACS) and the American Institute of Physics (AIP). Subscriptions, reprints, and supplements are available from ACS, 1155 Sixteenth St., NW, Washington, DC 20056.

Building Science Series—Disseminates technical information developed at the Institute on building materials, components, systems, and whole structures. The series presents research results, test methods, and performance criteria related to the structural and environmental functions and the durability and safety characteristics of building elements and systems.

**Technical Notes**—Studies or reports which are complete in themselves but restrictive in their treatment of a subject. Analogous to monographs but not so comprehensive in scope or definitive in treatment of the subject area. Often serve as a vehicle for final reports of work performed at NIST under the sponsorship of other government agencies.

Voluntary Product Standards—Developed under procedures published by the Department of Commerce in Part 10, Title 15, of the Code of Federal Regulations. The standards establish nationally recognized requirements for products, and provide all concerned interests with a basis for common understanding of the characteristics of the products. NIST administers this program in support of the efforts of private-sector standardizing organizations.

Order the following NIST publications—FIPS and NISTIRs—from the National Technical Information Service, Springfield, VA 22161.

Federal Information Processing Standards Publications (FIPS PUB)—Publications in this series collectively constitute the Federal Information Processing Standards Register. The Register serves as the official source of information in the Federal Government regarding standards issued by NIST pursuant to the Federal Property and Administrative Services Act of 1949 as amended, Public Law 89-306 (79 Stat. 1127), and as implemented by Executive Order 11717 (38 FR 12315, dated May 11, 1973) and Part 6 of Title 15 CFR (Code of Federal Regulations).

NIST Interagency or Internal Reports (NISTIR)—The series includes interim or final reports on work performed by NIST for outside sponsors (both government and nongovernment). In general, initial distribution is handled by the sponsor; public distribution is handled by sales through the National Technical Information Service, Springfield, VA 22161, in hard copy, electronic media, or microfiche form. NISTIR's may also report results of NIST projects of transitory or limited interest, including those that will be published subsequently in more comprehensive form.

U.S. Department of Commerce National Institute of Standards and Technology Gaithersburg, MD 20899-0001

Official Business Penalty for Private Use \$300