NIST Special Publication 881-32

Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003050 Transaction Set 839C Project Cost Reporting

Implementation Convention

U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of
Standards and Technology

NIST

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[1] At Boulder, CO 80303.
[2] Some elements at Boulder, CO.

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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

January 1998

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.

839 Project Cost Reporting

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Project Cost Reporting Transaction Set (839) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides the transmission of cost and schedule information to support performance measurement (earned value), program management reporting, and contract funds status reporting. This transaction set will also support the Department of Defense (DoD), Department of Energy (DoE), NASA, and other government agency Cost/Schedule Control Systems Criteria (C/SCSC) and funds status reporting requirements. It is designed to serve the needs of government agencies, prime contractors, and their subcontractors.

Notes:

1. This implementation convention addresses how the 839 Project Cost Reporting transaction set can be used to send Cost Performance Report (CPR) Formats 1 through 5 or Cost/Schedule Status Report (C/SSR) data electronically. This implementation convention assumes the data will be moving in one direction only - from the contractor or organization performing the work on a contract to their customer.

2. A single transaction set may contain one or more of the Cost Performance Report formats. Refer to the implementation notes throughout this convention for more information about the specific requirements for each report format.

3. This convention is designed to be used when a Contract Data Requirements List (CDRL) for a given contract specifies the Data Item Description (DID) DI-MGMT-81466, Cost Performance Report (CPR) or DI-MGMT-81467, Cost/Schedule Status Report (C/SSR).

4. The customer's receiving application may have certain data content requirements. Confirm if there are any data content guidelines that need to be followed in addition to the data format requirements described in this implementation convention.

5. There are two appendices for this implementation convention. The example appendix provides additional reference information on how this transaction set is used to exchange cost performance data electronically. The other appendix includes a series of tables that provides cross reference details on how to use the 839 transaction set. This includes a Segment and Data Element Matrix table for all the reporting formats and a Forms Cross Reference table.

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BCS	Beginning Segment for Project Cost Reporting	M	1		
	030	REF	Reference Numbers	O	100		
Must Use	040	DLV	Deliverable Information	O	10		
Must Use	050	AMT	Monetary Amount	O	30		
	060	PCT	Percent Amounts	O	30		
Must Use	070	DTM	Date/Time Reference	O	30		
			LOOP ID - CFT			100	
Must Use	080	CFT	Cost Reporting Format Type	M	1		
	085	CAL	Calendar	O	50		
			LOOP ID - BSD			>1	
Must Use	090	BSD	Breakdown Structure Description	O	1		
	100	REF	Reference Numbers	O	100		

Not Used	105	DTM	Date/Time Reference	O	50	
	110	AMT	Monetary Amount	O	100	
	115	QTY	Quantity	O	100	
	120	PAM	Period Amount	O	100	
Not Used	130	PCT	Percent Amounts	O	100	
	140	MSG	Message Text	O	1000	

			LOOP ID - N1		200	
Must Use	150	N1	Name	M	1	n1
	160	N2	Additional Name Information	O	1	
	170	N3	Address Information	O	1	
	180	N4	Geographic Location	O	1	
Must Use	190	PER	Administrative Communications Contact	O	10	
Not Used	195	REF	Reference Numbers	O	10	
Must Use	200	DTM	Date/Time Reference	O	10	
Must Use	210	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1.   At least one iteration of the N1 loop is required to identify the contractor.

Segment:	**ST** **Transaction Set Header**	
Position:	010	
Loop:		
Level:		
Usage:	Mandatory	
Max Use:	1	
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:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	**Transaction Set Identifier Code**	M ID 3/3
			Code uniquely identifying a Transaction Set	
			839 X12.31 Project Cost Reporting	
Must Use	ST02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			A unique number assigned by the originator of the transaction set or by the originator's application system. This number is the same as the number in SE02.	

Segment:	**BCS** Beginning Segment for Project Cost Reporting	
Position:	020	
Loop:		
Level:		
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the beginning of the project cost reporting transaction set, and information to identify a program name, number, contract type, and security classification.	
Syntax Notes:		
Semantic Notes:	1	BCS02 is the transaction set date.
	2	BCS04 is the report effective date.
	3	BCS06 is the program name.
	4	BCS07 is the program number identification.
	5	BCS10 is the customer share ratio number.
	6	BCS11 is the contractor share ratio number.
	7	BCS12 is the notation for the total project monetary costs. If BCS12 is absent, the total project monetary costs are assumed to be whole dollar amounts.
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BCS01	353	**Transaction Set Purpose Code**	M ID 2/2

Code identifying purpose of transaction set

00   Original

This code is typically used for transmitting the cost performance data.

05   Replace

Use this code to overwrite any previously transmitted data for a given reporting period - i.e., old data is deleted and new data is entered into the database.

14   Advance Notification

Use this code when preliminary cost performance data must be transmitted for a given reporting period. This preliminary transmission is then followed with a final transmission (code 20) to provide the final cost performance data for the given reporting period.

20   Final Transmission

Use this code to transmit final cost performance data when preliminary cost performance data (code 14) has been sent for a given reporting period.

22   Information Copy

31   Allowance/Addition

Use this code to transmit additional cost performance report formats for a given reporting period. This code is typically only used when the various report formats are sent in separate transmissions for a given reporting period.

	Ref. Des.	Data Element	Name	Attributes
Must Use	BCS02	373	**Date**	M DT 6/6

Date (YYMMDD)

Enter the date the data report was created. This date is used for reference

purposes only.

Must Use	BCS03	367	Contract Number	M	AN 1/30

Contract number

Enter the contract number.

Must Use	BCS04	373	Date	M	DT 6/6

Date (YYMMDD)

Enter the report effective date. This is the current reporting month for the cost performance data.

Must Use	BCS05	1166	Contract Type Code	O	ID 2/2

Code identifying a contract type

CW	Cost Plus Award Fee
CX	Cost Plus Fixed Fee
CY	Cost Plus Incentive Fee
FD	Fixed Price Redetermination
FE	Fixed Price with Escalation
FI	Fixed Price Incentive
FR	Firm Fixed Price
OC	Other Contract Type

A type of contract which is neither covered by an existing code nor previously mutually defined

Use the REF (1/030) segment to provide a description of the contract type when this code is used.

TM	Time and Materials

Must Use	BCS06	352	Description	O	AN 1/80

A free-form description to clarify the related data elements and their content

Provide a name or short description of the program.

Must Use	BCS07	127	Reference Number	O	AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Enter the program number.

Must Use	BCS08	1193	Program Type Code	O	ID 2/2

Codes identifying a program type

The codes entered here can relate to the information entered in the DLV (Deliverable Information (1/040)) segment. Refer to the notes for the DLV segment and data elements for more detail.

01	Research, Development, Test & Evaluation (RDT&E)
02	Production

Use this code for all types of production as well as Low Rate Initial Production (LRIP).

03	Both RDT&E and Production
04	Other

Use this code to indicate a mixture of program types. Use the REF (1/030) segment to provide a description of the program type when this code is used.

06	Advanced Design

Use this code to indicate Dem Val or Demonstration

Validation in addition to the Air Force specific "Advanced Design."

07   Full Scale Development

Generally, this code is only used for older contracts. Typically code 08, Engineering and Manufacturing Development (EMD), is used for newer, or more recent, contracts.

08   Engineering and Manufacturing Development (EMD)

BCS09   **786**   **Security Level Code**   **O**   **ID 2/2**

Code indicating the level of confidentiality assigned by the sender to the information following

Typically all data is assumed to be company proprietary information and is treated as government non-classified information (code 90). In the event codes 92, 93, or 94 are used, additional security measures such as encryption are used to protect the data.

11   Competition Sensitive
90   Government Non-Classified
92   Government Confidential
93   Government Secret
94   Government Top Secret

BCS10   **954**   **Percent**   **O**   **R 1/10**

Percentage expressed as a decimal

Enter the Contractor Above Share Ratio value if applicable for the contract. A maximum of three numbers is allowed, whole numbers only, no decimals. The sum of BCS10 and BCS11 cannot be more than 100.

BCS11   **954**   **Percent**   **O**   **R 1/10**

Percentage expressed as a decimal

Enter the Contractor Below Share Ratio value if applicable for the contract. A maximum of three numbers is allowed, whole numbers only, no decimals. The sum of BCS10 and BCS11 cannot be more than 100.

Must Use   **BCS12**   **355**   **Unit or Basis for Measurement Code**   **O**   **ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Use this data element to indicate all total contract monetary amounts have been factored (for example, numbers represent dollars in thousands). Use the CFT (Cost Reporting Format Type) segment to indicate the monetary amount factor used for a given cost performance report at the detail level.

DO   Dollars, U.S.

Use this code when the monetary amounts have NOT been factored.

HU   Hundred

Use this code to indicate the monetary amounts have been factored by a hundred - i.e., hundreds of dollars.

R5   Thousands of Dollars
R6   Millions of Dollars

Segment:		**REF** Reference Numbers		
Position:	030			
Loop:				
Level:				
Usage:	Optional			
Max Use:	100			
Purpose:	To specify identifying numbers.			
Syntax Notes:	1 At least one of REF02 or REF03 is required.			
Semantic Notes:				
Comments:				
Notes:	*Use this segment to convey additional information about a contract, to provide information about a related transaction set, or to provide Contractor Data Requirements List (CDRL) references.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	Reference Number Qualifier	M ID 2/2

Code qualifying the Reference Number.

72   Schedule Reference Number

Identifies a number for a program schedule (for example, a logic type of network) or working schedule to complete a specific task or set of tasks

Use this code to indicate there is a related Project Schedule Reporting (806) transaction set(s) that complements this transaction set. Enter the unique 806 transaction set reference number in REF02. The unique reference number entered in REF02 should be the same unique reference number entered in BPP09 (1/BPP/020) in the 806 transaction set.

84   Contractor Data Requirements List (CDRL)

Government or customer specific deliverables identified by line item; referenced on shipping details, etc

Use this code to convey CDRL reference(s) for the contract. Enter the number in REF02.

BE   Business Activity

Use this code when BCS08, Program Type Code, is code 04 for "Other" to describe what "Other" means. Enter the description in REF03. Use this code only one time per transaction set.

C4   Change Number

Use this code to convey the latest change or modification number for the contract. Enter the number in REF02. Use this code only one time per transaction set.

CA   Cost Allocation Reference

Use this code to provide a unique reference number for this Project Cost Reporting (839) transaction set. This unique number is used to link related transaction sets together (for example, with a Project Schedule Reporting 806 or Specifications/Technical Information 841 transaction set). Enter the unique reference number for this transaction set in REF02.

Use this code only one time per transaction set.

	CT	Contract Number

Use this code when BCS05 is code "OC" for other contract types to describe what "other" means. Enter the description in REF03. Use this code only one time per transaction set.

	KL	Contract Reference

Use this code to provide a contract name. Enter the contract name in REF03. Use this code only one time per transaction set.

	ME	Message Address or ID

Use this code to indicate there is a related Text Message (864) transaction set(s) that complements this transaction set. Enter the unique 864 transaction set reference number in REF02. The unique reference number entered in REF02 should be the same unique reference number entered in REF02 (1/REF/080) in the 864 transaction set (which also uses the ME code in REF01).

	NJ	Technical Document Number

Use this code to indicate there is a related Specifications/Technical Information (841) transaction set(s) that complements this transaction set. Enter the unique 841 transaction set reference number in REF02. The unique reference number entered in REF02 should be the same unique reference number entered in SPI03 (1/SPI/020) in the 841 transaction set.

REF02   **127**   **Reference Number**   X   AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Use this data element when REF01 is code 72, 84, C4, CA, ME, or NJ.

REF03   **352**   **Description**   X   AN 1/80

A free-form description to clarify the related data elements and their content

Use this data element when REF01 is code BE, CT, or KL.

Segment:	**DLV** Deliverable Information
Position:	040
Loop:	
Level:	
Usage:	Optional (Must Use)
Max Use:	10
Purpose:	To identify the product to be delivered or the service to be performed
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*1. This segment is required. This segment can be repeated as needed to relate a quantity to a specific product or service provided when a contract includes more than one product or service.*
	2. This segment can also be repeated as needed to indicate a specific quantity (typically a product of some type) associated with different phases of a contract (the program type code), such as RDT&E or Production. Use the DLV04 data element to relate a specific quantity with a specific program type code.
	3. The receiving application may have certain requirements for this segment. When sending data to the customer, ensure all guidelines are followed.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	DLV01	330	Quantity Ordered	M R 1/9

Quantity ordered

Enter the quantity associated with a specific type of product or service. It can also reflect a specific Program Type when DLV04 is used.

Must Use	DLV02	235	Product/Service ID Qualifier	M ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

F7	End-Item Description
	Item identifier describes an end-item associated with the use of the required material

Must Use	DLV03	234	Product/Service ID	M AN 1/40

Identifying number for a product or service

Enter a short description of the product or service.

	DLV04	1193	Program Type Code	O ID 2/2

Codes identifying a program type

Typically BCS08 is used to identify the Program Type Code for the contract. Use this data element when there is a mixture of program types (BCS08 is code 03 or 04) and specific quantities need to be identified for each program type. For the quantity entered in DLV01, indicate the associated program type with this data element.

01	Research, Development, Test & Evaluation (RDT&E)
02	Production
06	Advanced Design
	Use this code to indicate Dem Val or Demonstration Validation in addition to the Air Force specific "Advanced Design."
07	Full Scale Development

Generally, this code is only used for older contracts. Typically code 08, Engineering and Manufacturing Development (EMD), is used for newer, or more recent, contracts.

08   Engineering and Manufacturing Development (EMD)

Segment:	**AMT** Monetary Amount	
Position:	050	
Loop:		
Level:		
Usage:	Optional (Must Use)	
Max Use:	30	
Purpose:	To indicate the total monetary amount	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*This segment is required. Use this segment to provide all total contract monetary amount information.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	AMT01	522	Amount Qualifier Code	M ID 1/2

Code to qualify amount

Provide all monetary amounts for the qualifier codes listed below. If a qualifier does not apply to the contract (for example, Negotiated Cost is equal to zero), do not include it. Otherwise, consider all the qualifiers listed here as REQUIRED.

26   Negotiated Cost

The estimated cost negotiated in a Cost-Plus-Fixed-Fee contract or the negotiated contract target cost in either a Fixed-Price-Incentive contract or a Cost-Plus-Incentive-Fee contract

27   Authorized Unpriced Work

Effort for which written authorization has been received but defined costs have not been agreed to

28   Target Price

The negotiated contract cost plus profit or fee applicable to the defined contract effort

29   Estimated Price

The latest revised estimate of the total cost at complete for a contract

30   Contract Ceiling

The ceiling price applicable to defined effort

31   Estimated Contract Ceiling

The estimated ceiling price applicable to all authorized contract effort (both defined and undefined)

32   Target Fee or Profit Amount

The fee (can also be percent) of profit that will apply to defined contract effort

Use this code when the Target Fee or Profit is a monetary amount. Use the PCT segment when the Target Fee or Profit is a percentage. Either method can be used to describe this required information (when applicable), but use ONLY ONE - i.e., if this code in the AMT segment is used, DO NOT use the following PCT segment.

33   Original Contract Target Cost

Value of the original negotiated contract

Use this code for the Original Negotiated Cost item on the Cost Performance Report Format 3 as well as the Original Contract Target Cost item on the Cost/Schedule Status Report.

34   Negotiated Contract Changes

The cumulative cost (excludes fee and profit) applicable to defined contract changes that have occurred since the beginning of the contract

35   Current Target Cost

Sum of Original Contract Target Cost and Negotiated Contract Changes

36   Contract Budget Base (CBB)

Sum of Current Targent Cost and Estimated Cost of Authorized, Unpriced Work

45   Cumulative Schedule Variance (SV)

The cumulative difference between the cumulative Budgeted Cost for Work Performed and the cumulative Budgeted Cost for Work Scheduled

Use this code to enter the schedule variance adjustment for the total contract.

46   Cumulative Cost Variance (CV)

The cumulative difference between the cumulative Budgeted Cost for Work Performed and the cumulative Actual Cost for Work Performed

Use this code to enter the cost variance adjustment for the total contract.

47   Reprogram Cost Variance

Adjustments to previously reported variances due to reprogramming efforts

Use this code to enter the performance measurement baseline reprogramming adjustments cost variance for the contract.

48   Reprogram Budget

Adjustments to the budget due to reprogramming efforts

Use this code to enter the performance measurement baseline reprogramming adjustments budget for the contract.

49   At Complete Budget (BAC)

The total budget assigned to a work package or task; also, the total budget of any summary of these work tasks

Use this code to enter the performance measurement baseline budgeted cost at completion for the contract.

50   At Complete Latest Revised Estimate (LRE)

Latest estimate of cost at completion including over or under runs for all authorized work; it is the sum or the actuals to date plus the estimate of remaining work (Estimate to Complete or ETC)

Use this code to enter the performance measurement baseline estimated cost at completion for the contract.

52   Total Allocated Budget

			Sum of all budgets allocated to the performance of a contract
	85		Optimistic Estimate at Complete (EAC)

Best case estimate of cost at the completion for risk analysis calculations

Use this code to enter the best case Management Estimate at Completion.

| | 86 | | Pessimistic Estimate at Complete (EAC) |

Worst case estimate of cost at completion for risk analysis calculations

Use this code to enter the worst case Management Estimate at Completion.

| | 87 | | Most Likely Estimate at Complete (EAC) |

Most likely estimate of cost completion for risk analysis calculations

Use this code to enter the most likely Management Estimate at Completion.

| | CY | | Cumulative Budget |

Use this code to enter the performance measurement baseline cumulative budget cost for the contract.

| | CZ | | Cumulative Earned Value |

Use this code to enter the performance measurement baseline cumulative earned value cost for the contract.

| | D9 | | Cumulative Actual |

Use this code to enter the performance measurement baseline cumulative actual cost for the contract.

Must Use	AMT02	782	Monetary Amount	M	R 1/15

Monetary amount

For all monetary amounts, if entering factored monetary amounts such as thousands of dollars (notation from BCS12), use only one decimal place when applicable.

Not Used	AMT03	478	Credit/Debit Flag Code	O	ID 1/1

Code indicating whether amount is a credit or debit

Segment:	**PCT** Percent Amounts			
Position:	060			
Loop:				
Level:				
Usage:	Optional			
Max Use:	30			
Purpose:	To qualify percent amounts and supply percent amounts			
Syntax Notes:				
Semantic Notes:				
Comments:				
Notes:				

1. The maximum use for this segment is 1. Use this segment when the Target Fee or Profit is defined as a percentage. Use the previous AMT segment when the Target Fee or Profit is defined as a specific monetary amount. If this segment is used, DO NOT use the AMT segment to provide Target Fee or Profit information.

2. Include the Target Fee or Profit when this information applies to the contract. If it applies, it is required information. This information must be provided using either the previous AMT segment or this PCT segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	PCT01	1004	**Percent Qualifier** Code to qualify percent	M	ID 1/2
			05 Target Fee or Profit		
			The negotiated contract fee or profit applicable to one defined contract effort		
Must Use	PCT02	954	**Percent** Percentage expressed as a decimal	M	R 1/10

A maximum of five characters is allowed, with up to one decimal place.

Segment:	**DTM** Date/Time Reference	
Position:	070	
Loop:		
Level:		
Usage:	Optional (Must Use)	
Max Use:	30	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required.	
	2 If either DTM06 or DTM07 is present, then the other is required.	
Semantic Notes:		
Comments:		
Notes:	*This segment is required. Use this segment to provide all total contract date information.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374	**Date/Time Qualifier**	M ID 3/3

Code specifying type of date or time, or both date and time

Provide all dates for the qualifier codes listed below. If a qualifier does not apply to the contract (for example, Over Target Baseline Month), do not include it. Otherwise, consider all qualifiers listed here as REQUIRED.

090 Report Start

Use codes 090 and 091 to define the specific start and stop dates for the current reporting period.

091 Report End

196 Start

Use this code to indicate a work start date when the work start date is different from the contract start date (code 276).

245 Estimated Completion

The revised plan or estimate of the complete date for a task or activity

276 Contract Start

The start date for a contract

277 Contract Definition

The date the contract was definitized

Use this code for the contract definitization date.

278 Last Item Delivery

The date the last item will be delivered to the customer

Use this code for the Planned Completion Date item on the Cost Performance Report Format 3.

279 Contract Completion

The finish date for a contract

281 Over Target Baseline Month

The date a budget baseline went over the target budget amount

Use this code in the event an over target situation is encountered on the contract. Enter the over target baseline month ending date in DTM02.

Must Use	DTM02	373	**Date**	X	DT 6/6
			Date (YYMMDD)		
Not Used	DTM03	337	**Time**	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

| Not Used | DTM04 | 623 | **Time Code** | O | ID 2/2 |

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

| Not Used | DTM05 | 624 | **Century** | O | N0 2/2 |

The first two characters in the designation of the year (CCYY)

| Not Used | DTM06 | 1250 | **Date Time Period Format Qualifier** | X | ID 2/3 |

Code indicating the date format, time format, or date and time format

| Not Used | DTM07 | 1251 | **Date Time Period** | X | AN 1/35 |

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**CFT** Cost Reporting Format Type
Position:	080
Loop:	CFT Mandatory
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To identify the cost reporting type, type of units reported, and funds details for the Contract Funds Status Report (CFSR)
Syntax Notes:	
Semantic Notes:	1 If CFT01 equals CY, then CFT03, CFT04, CFT05, CFT06, CFT07 and CFT08 are required.
	2 CFT02 is the notation for the report monetary costs or quantities. If CFT02 is blank, the report monetary costs are assumed to be in whole dollar amounts.
	3 CFT04 and CFT05 are used for the funds appropriation start date.
	4 CFT06 and CFT07 are used for the funds appropriation end date.
Comments:	

Data Element Summary

Must Use	Ref. Des.	Data Element	Name	Attributes
Must Use	CFT01	755	**Report Type Code**	M ID 2/2

Code indicating the title or contents of a document, report or supporting item

CX	Cost/Schedule Status Report (C/SSR)
	Contract status report showing budget, performance, actual, cost variance, schedule variance, budget at complete, estimate at complete, and variance at complete at specified levels of the work breakdown structure
F1	Cost Performance Report (CPR) Format 1
	Detailed contract status report including current reporting month values at specified levels of the work breakdown structure
F2	Cost Performance Report (CPR) Format 2
	Detailed contract status report at specified levels of the organization breakdown structure
F3	Cost Performance Report (CPR) Format 3
	Contract baseline report that summarizes changes to the contract over a given reporting period with beginning and ending values
F4	Cost Performance Report (CPR) Format 4
	Contract resource summary report that forecasts labor requirements for the remainder of a contract
F5	Cost Performance Report (CPR) Format 5
	Contract summary or detail report explaining significant cost or schedule variances
LP	Labor Plan
	Use this code for the working months or hours Budget at Complete (BAC) Format 4 type of detail report for each functional category. This is an optional report format.
VA	Variance Analysis
	Use this code only for reporting variance analysis details for the Cost/Schedule Status Report (C/SSR).

| | CFT02 | 355 | **Unit or Basis for Measurement Code** | | O | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use this data element to indicate the monetary amount factor or quantity type for the given format reporting element details. For the Cost Performance Report Formats 1, 2, and 3, and the Cost/Schedule Status Report, indicate the monetary amount factor used such as dollars in thousands. For the Cost Performance Report Format 4, indicate the quantity type used - i.e., working months or hours. This code is required for these formats.

2. This data element can also be used to indicate the monetary amount factor used for Cost Performance Report Format 5 or the Variance Analysis information for the Cost/Schedule Status Report in the event monetary amounts are included for these reports.

| | DO | | Dollars, U.S. |

Use this code when the monetary amounts have NOT been factored.

| | HR | | Hours |
| | HU | | Hundred |

Use this code to indicate the monetary amounts have been factored by a hundred - i.e., hundreds of dollars.

	R5		Thousands of Dollars
	R6		Millions of Dollars
	WM		Working Months

| Not Used | CFT03 | 1198 | **Contracting Funding Code** | | O | ID 2/2 |

Code identifying the funding type

| Not Used | CFT04 | 374 | **Date/Time Qualifier** | | O | ID 3/3 |

Code specifying type of date or time, or both date and time

| Not Used | CFT05 | 373 | **Date** | | O | DT 6/6 |

Date (YYMMDD)

| Not Used | CFT06 | 374 | **Date/Time Qualifier** | | O | ID 3/3 |

Code specifying type of date or time, or both date and time

| Not Used | CFT07 | 373 | **Date** | | O | DT 6/6 |

Date (YYMMDD)

| Not Used | CFT08 | 1199 | **Appropriation Code** | | O | ID 2/2 |

Code indicating the funds appropriation

Segment:	**CAL** Calendar	
Position:	085	
Loop:	CFT	Mandatory
Level:		
Usage:	Optional	
Max Use:	50	
Purpose:	To identify the calendar and working shift details for the plan or schedule	
Syntax Notes:	1	If either CAL14 or CAL15 is present, then the other is required.
Semantic Notes:	1	CAL01 identifies whether a reference number is a calendar or shift.
Comments:		
Notes:		

1. This segment is REQUIRED for the Cost Performance Report Formats 3 and 4 to describe the summary period groups applicable for the report described in the CFT (Cost Reporting Format Type) segment.

2. This segment is used to provide the projected and at complete column information on the report formats. Repeat this segment as needed (typically five or six times) to describe the projected and at complete columns. This segment is also used to define how many reporting periods are represented in the projected and at complete columns.

3. The calendar information entered here should match the period ending date information entered in the PAM (Period Amount) segment (PAM08 data element) for the projected and at complete columns on Formats 3 and 4.

4. The receiving application may limit the number of projected columns that need to be provided (for example, period number 1, 2, 3, and 4 along with At Complete details). When sending data, ensure all data content guidelines are followed.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	CAL01	128	Reference Number Qualifier	M	ID 2/2
			Code qualifying the Reference Number.		
			70	Calendar Number	
				Identifies a working calendar (for example, Monday through Friday) for a company, division, or labor group	
Must Use	CAL02	127	Reference Number	M	AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.		

Enter the period number "1", "2", "3", "4", "5", or "At Complete" to identify the projected and at complete time frames. When period numbers 1 through 5 are used, period number 5 is used to represent the remainder of the contract (to complete information). For contracts that are close to completion, the last period number applicable can also be used to represent the remainder of the contract.

	Ref. Des.	Data Element	Name		Attributes
Not Used	CAL03	344	Unit of Time Period or Interval	O	ID 2/2
			Code indicating the time period or interval		
Not Used	CAL04	374	Date/Time Qualifier	O	ID 3/3
			Code specifying type of date or time, or both date and time		
Not Used	CAL05	373	Date	O	DT 6/6
			Date (YYMMDD)		
Not Used	CAL06	337	Time	O	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	CAL07	623	Time Code	O	ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Not Used	CAL08	678	Ship/Delivery or Calendar Pattern Code	O	ID 1/2

Code which specifies the routine shipments, deliveries, or calendar pattern

Not Used	CAL09	374	Date/Time Qualifier	O	ID 3/3

Code specifying type of date or time, or both date and time

Not Used	CAL10	373	Date	O	DT 6/6

Date (YYMMDD)

Not Used	CAL11	337	Time	O	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CAL12	623	Time Code	O	ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Not Used	CAL13	678	Ship/Delivery or Calendar Pattern Code	O	ID 1/2

Code which specifies the routine shipments, deliveries, or calendar pattern

Must Use	CAL14	673	Quantity Qualifier	X	ID 2/2

Code specifying the type of quantity

      1O   Calendar Units

                      The number of calendar units such as 1 per day or 1 per week

Must Use	CAL15	380	Quantity	X	R 1/15

Numeric value of quantity

Enter the number of reporting months (or periods) for the projected time frame.

	CAL16	369	Free-form Description	O	AN 1/45

Free-form descriptive text

Enter a short description of the projected time frame; for example, "FY97" for fiscal year '97, or "RYRS" for remaining years on a contract. A maximum of four characters is recommended for this data element. Provide this description when CAL02 is "1", "2", "3", "4", or "5". Leave this data element blank when CAL02 is "At Complete".

Segment:	**BSD** Breakdown Structure Description	
Position:	090	
Loop:	BSD	Optional (Must Use)
Level:		
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To define discrete line items within industry or government reports	
Syntax Notes:	1	At least one of BSD02 or BSD03 is required.
Semantic Notes:	1	BSD05 is the summary level structure code reference.
Comments:	1	BSD07 is the summary level reporting structure identification.
Notes:	*This segment is required. This segment is used to define the reporting structures (Work Breakdown or Organization Breakdown) for the contract. CDRL and receiving application requirements will determine the level of detail required (for example, lowest level elements only). Confirm what data elements need to be included for the customer. Associated cost, quantity, and text details for each reporting element are described using the AMT, QTY, PAM, and MSG segments in this BSD segment loop as needed.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BSD01	128	Reference Number Qualifier	M ID 2/2

Code qualifying the Reference Number.

74   Work Breakdown Structure (WBS)

A product-oriented family tree composed of hardware, software, services, and data that completely defines the project or program

Use this code for the Cost Performance Report Formats 1, 3, and 5, as well as the Cost/Schedule Status Report and related Variance Analysis information.

75   Organization Breakdown Structure

A functionally oriented family tree that shows organization relationships and is used as the framework for assigning work responsibilities

Use this code for the Cost Performance Report Formats 2 and 4. This code can also be used when Organization Breakdown Structure element codes are used to convey Cost Performance Report Format 5 information.

Must Use	BSD02	127	Reference Number	X AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

1. Enter the appropriate Work Breakdown Structure (WBS) or Organization Breakdown Structure (OBS) element code.

2. The receiving application may have certain requirements for the element codes used for bottom line totals for Cost Performance Report Format 1 or a Cost/Schedule Status Report. Specific element codes may be required for such items as Overhead, Cost of Money, Undistributed Budget, and Management Reserve. When sending data to the customer, ensure all element code requirements and guidelines are followed.

3. Specific element codes may also be required for the Cost Performance Report Format 3. This includes the codes used for beginning period

information, end of period information, and baseline changes. Again, confirm any element code requirements with the customer.

| BSD03 | 352 | Description | X | AN 1/80 |

A free-form description to clarify the related data elements and their content

Enter a description of the element. This data element is optional, but the receiving application may need this information. Confirm with the customer whether this description needs to be provided.

| BSD04 | 1178 | Level | O | AN 1/3 |

Reporting structure identification

Enter the reporting structure level number for the element code entered in BSD02. This is REQUIRED for the Cost Performance Report Formats 1, 2, and 4, and the Cost/Schedule Status Report.

| BSD05 | 127 | Reference Number | O | AN 1/30 |

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Enter the parent element code for the element code entered in BSD02. This is REQUIRED for all lower level element codes for the Cost Performance Reports 1, 2, and 4, and the Cost/Schedule Status Report. This data element is left blank for these formats (i.e., no entry is required) when a level 1 element code is entered in BSD02, as it does not have a parent element code.

| BSD06 | 1196 | Breakdown Structure Detail Code | O | ID 2/2 |

Codes identifying details relating to a reporting breakdown structure tree

Use this data element to describe cost element details for a given element code or to provide additional cost element details for bottom line totals for Cost Performance Report Formats 1 and 2 or Cost/Schedule Status Report.

01	Labor
	Direct labor costs
02	Material
	Direct material
03	Other Direct Costs (ODC)
	Other costs associated with a contract such as freight, travel, postage
04	Subcontract
	Direct subcontract
05	Labor and Material
	Sum of labor and material items
06	Labor Overhead
	Indirect costs associated with direct labor
07	Material Overhead
	Indirect costs associated with direct material
09	Total Overhead
	Total of all indirect costs incurred on a contract
10	Total General and Administrative
	Total of all general and adminstrative types of indirect costs incurred on a contract
26	Recurring
	Costs that will incurr continually over the life of the contract
27	Nonrecurring

			Costs that will only be incurred once		
		28	Total		
		39	Other Costs		
		53	Production Related		

BSD07	1178	Level	O	AN 1/3

Reporting structure identification

Enter the reporting structure level number for the parent element code entered in BSD05. This data element is recommended when there is an entry in BSD05. This data element is left blank when BSD05 is blank.

Not Used	BSD08	786	Security Level Code	O	ID 2/2

Code indicating the level of confidentiality assigned by the sender to the information following

Segment:	**REF** Reference Numbers			
Position:	100			
Loop:	BSD	Optional (Must Use)		
Level:				
Usage:	Optional			
Max Use:	100			
Purpose:	To specify identifying numbers.			
Syntax Notes:	1 At least one of REF02 or REF03 is required.			
Semantic Notes:				
Comments:				
Notes:	*Use this segment to provide any reference details associated with a reporting element described in the BSD (Breakdown Structure Description) segment.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	Reference Number Qualifier	M ID 2/2
			Code qualifying the Reference Number.	

	3J	Office Number

Use this code to identify a Project or Program Office.

	79	Cost Account

A management control point for cost and schedule planning and control; it represents that work assigned to one responsible organization element and to one work breakdown structure element

	AT	Appropriation Number

Use this code for the appropriation identification. Use this code only one time for each BSD reporting element.

	C7	Contract Line Item Number
	KU	Office Symbol

A number assigned for reference to a specific office within an organization

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF02	127	Reference Number	X AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
Not Used	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **AMT** Monetary Amount

Position:	110
Loop:	BSD Optional (Must Use)
Level:	
Usage:	Optional
Max Use:	100
Purpose:	To indicate the total monetary amount
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*This segment is required for the Cost Performance Report Formats 1, 2, and 3, and the Cost/Schedule Status Report. For the Cost Performance Report Format 3, this segment is used in combination with the PAM (Period Amounts) segment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	AMT01	522	Amount Qualifier Code	M ID 1/2

Code to qualify amount

1. For the Cost Performance Report Formats 1 and 2, and the Cost/Schedule Status Report, typically only the cumulative to date Budget, Earned Value, and Actual data plus at complete data are required for a specific reporting element (codes CY, CZ, D9, 49, and 50). As an option for Formats 1 and 2, current period Budget, Earned Value, and Actual data can be included along with the cumulative to date information (codes B5, CW, and CX). Current period information is not needed for the Cost/Schedule Status Report. Use codes 47 and 48 to provide Reprogramming amount details if applicable.

2. For the Cost Performance Report Format 3, when baseline changes are included, use any amount qualifier listed here to identify the amount(s) associated with the line item. The MSG segment can be used to describe the change if needed. Codes B5, CY, and MB are typically used for the Begin of Period and End of Period amount details.

3. Typically values that can be calculated (for example, cost and schedule variances) are not transmitted. The qualifier codes for these values are included in the event a customer specifically requests them.

30	Contract Ceiling
	The ceiling price applicable to defined effort
32	Target Fee or Profit Amount
	The fee (can also be percent) of profit that will apply to defined contract effort
35	Current Target Cost
	Sum of Original Contract Target Cost and Negotiated Contract Changes
36	Contract Budget Base (CBB)
	Sum of Current Target Cost and Estimated Cost of Authorized, Unpriced Work
40	Current Schedule Variance (SV)
	The difference between the Budgeted Cost for Work Performed and the Budgeted Cost for Work Scheduled
41	Current Cost Variance (CV)
	The difference between the Budgeted Cost for Work Performed and the Actual Cost of Work Performed
45	Cumulative Schedule Variance (SV)

		The cumulative difference between the cumulative Budgeted Cost for Work Performed and the cumulative Budgeted Cost for Work Scheduled
46	Cumulative Cost Variance (CV)	
		The cumulative difference between the cumulative Budgeted Cost for Work Performed and the cumulative Actual Cost for Work Performed
47	Reprogram Cost Variance	
		Adjustments to previously reported variances due to reprogramming efforts
48	Reprogram Budget	
		Adjustments to the budget due to reprogramming efforts
49	At Complete Budget (BAC)	
		The total budget assigned to a work package or task; also, the total budget of any summary of these work tasks
50	At Complete Latest Revised Estimate (LRE)	
		Latest estimate of cost at completion including over or under runs for all authorized work; it is the sum or the actuals to date plus the estimate of remaining work (Estimate to Complete or ETC)
51	At Complete Variance	
		The difference between the Budget at Complete and the Estimate at Complete
B	Estimated	
		Indicates the estimated amount
B5	Budgeted	

Use this code for current period budget values.

BM	Adjustments
CW	Earned Value

Use this code for current period earned value values.

CX	Actual

Use this code for current period actual values.

CY	Cumulative Budget
CZ	Cumulative Earned Value
D9	Cumulative Actual
MB	Undistributed Budget

Budget applicable to contract effort, but not yet assigned to a specific task or activity

MR	Management Reserve

An amount of the total allocated budget withheld for management control purposes

ZZ	Mutually Defined

Use this code for escalation or escalation recovery values.

Must Use   AMT02   782   Monetary Amount   M   R 1/15
Monetary amount

For all monetary amounts, if entering factored monetary amounts such as thousands of dollars (notation from CFT02), use only one decimal place when applicable.

Not Used   AMT03   478   Credit/Debit Flag Code   O   ID 1/1
Code indicating whether amount is a credit or debit

Segment:	**QTY** Quantity	
Position:	115	
Loop:	BSD	Optional (Must Use)
Level:		
Usage:	Optional	
Max Use:	100	
Purpose:	To specify quantity information	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*1. This segment is required for the Cost Performance Report Format 4 and is used in combination with the PAM (Period Amount) segment. This segment is used to convey working month or hour labor quantities. The qualifier entered in CFT02 for Format 4 indicates if the values entered in QTY02 are working months (code WM) or hours (code HR).*	
	2. This segment can also be used for Cost Performance Report Format 1, 2, or 3 when hour quantities are required in addition to monetary amount details (AMT segment).	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	QTY01	673	**Quantity Qualifier**	M ID 2/2
			Code specifying the type of quantity	
			1I Completed	
			The amount finished	
			Use this code for current period earned value values.	
			37 Work In Process	
			Use this code for cumulative to date earned value values.	
			A5 Adjusted Quantity	
			AT Actual	
			Use this code for current period actual values.	
			AU Cumulative Actual	
			AV Budget	
			Use this code for current period budget values.	
			AW Cumulative Budget	
			AZ Forecast at Complete	
			Use this code for Estimate at Complete values.	
			BC Budget At Complete	
Must Use	QTY02	380	**Quantity**	M R 1/15
			Numeric value of quantity	
	QTY03	355	**Unit or Basis for Measurement Code**	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Use this data element only when the quantities entered in QTY02 are factored (hundreds of hours or thousands of hours). Use the same qualifier code for ALL quantity values for the given report format (CFT01). Leave this data element blank if working months or hours are NOT factored.	

HU   Hundred

Use this code to indicate quantities (working months or hours) are factored by a hundred - i.e., hundreds of hours.

TH   Thousand

Use this code to indicate quantities (working months or hours) are factored by a thousand - i.e., thousands of hours.

Segment:	**PAM** Period Amount
Position:	120
Loop:	BSD Optional (Must Use)
Level:	
Usage:	Optional
Max Use:	100
Purpose:	To indicate a quantity, and/or amount for an identified period
Syntax Notes:	1 If any of PAM01 PAM02 or PAM03 is present, then all are required.
	2 At least one of PAM02 or PAM05 is required.
	3 If either PAM04 or PAM05 is present, then the other is required.
	4 If either PAM06 or PAM07 is present, then the other is required.
	5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.
	6 If PAM08 is present, then PAM07 is required.
	7 If PAM09 is present, then PAM07 is required.
	8 If PAM10 is present, then at least one of PAM11 or PAM12 is required.
	9 If PAM11 is present, then PAM10 is required.
	10 If either PAM13 or PAM14 is present, then the other is required.
Semantic Notes:	1 PAM10, PAM11, or PAM12 are used when two dates are required.
Comments:	
Notes:	*1. Use this segment for the Cost Performance Report Formats 3 and 4 to describe the next six reporting periods, the projected summary time frames and at complete time frame as well as provide the monetary amounts or quantities associated with each time frame. This segment is used to convey the monetary amounts (and hour quantities if applicable) for Format 3 and working month or hour quantities for Format 4.*
	2. This segment is repeated for each time frame column (next six reporting periods, 4 or 5 projected, and at complete) for each applicable reporting element code (BSD segment). The projected and at complete time groups directly relate to the time frames described in the CAL segment for the given report format.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
PAM01	673	Quantity Qualifier	X	ID 2/2

Code specifying the type of quantity

This data element is required for Cost Performance Report Format 4. This data element may be used for the Cost Performance Report Format 3 in the event hour details need to be included.

    AV   Budget

Use this code for Format 3 for the current reporting period plus 1 through 6 months, and the projected time frame quantities for each reporting structure element (BSD segment). This code can also be used for the Budget at Complete optional Format 4 (CFT01 is code LP) for the current reporting period plus 1 through 6 months, and the projected time frame quantities for each reporting structure element (BSD segment).

    AY   Forecast

Use this code for Format 4 for the current reporting period plus 1 through 6 months, and the projected time frame quantities for each reporting structure element (BSD segment).

    AZ   Forecast at Complete

			BC	Budget At Complete		
PAM02	**380**	**Quantity**			**X**	**R 1/15**

Numeric value of quantity

This data element is required for Cost Performance Report Format 4. This data element may be used for the Cost Performance Report Format 3 in the event hour details need to be included.

PAM03	**355**	**Unit or Basis for Measurement Code**			**X**	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. This data element is required for the Cost Performance Report Format 4. The code entered here MUST be the same as the code entered in CFT02.

2. This data element may be used for the Cost Performance Report Format 3 in the event hour details need to be included. Use code HR.

	HR	Hours
	WM	Working Months

PAM04	**522**	**Amount Qualifier Code**			**X**	**ID 1/2**

Code to qualify amount

This data element is required for Cost Performance Report Format 3.

	49	At Complete Budget (BAC)

The total budget assigned to a work package or task; also, the total budget of any summary of these work tasks

Use this code for the At Complete monetary amounts for Format 3. It is used only one time for each BSD segment.

	B5	Budgeted

Use this code for the current reporting period plus 1 through 6 months and the projected time frame monetary amounts for Format 3.

PAM05	**782**	**Monetary Amount**			**X**	**R 1/15**

Monetary amount

This data element is required for Cost Performance Report Format 3.

Must Use	**PAM06**	**344**	**Unit of Time Period or Interval**		**X**	**ID 2/2**

Code indicating the time period or interval

Use the code that best applies. Codes "CY" and "FY" can also be used to represent the remaining number of reporting periods for a calendar or fiscal year. Codes "CY" and "FY" should also be used to represent the balance of reporting periods for the remainder of the contract.

	CY	Calendar Year
	FY	Fiscal Year
	MO	Month
	QY	Quarter of a Year
	SA	Semiannual

Must Use	**PAM07**	**374**	**Date/Time Qualifier**		**X**	**ID 3/3**

Code specifying type of date or time, or both date and time

	174	Month Ending

Use this code when PAM06 is code MO.

| | | 194 | Period End | | |
| | | | *Use this code when PAM06 is code CY, FY, QY, or SA.* | | |

Must Use	PAM08	373	Date	X	DT 6/6
			Date (YYMMDD)		
			Enter the month or period ending date.		

Not Used	PAM09	337	Time	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	PAM10	374	Date/Time Qualifier	X	ID 3/3
			Code specifying type of date or time, or both date and time		
Not Used	PAM11	373	Date	X	DT 6/6
			Date (YYMMDD)		
Not Used	PAM12	337	Time	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	PAM13	1004	Percent Qualifier	X	ID 1/2
			Code to qualify percent		
Not Used	PAM14	954	Percent	X	R 1/10
			Percentage expressed as a decimal		

Segment:	**MSG** Message Text	
Position:	140	
Loop:	BSD	Optional (Must Use)
Level:		
Usage:	Optional	
Max Use:	1000	
Purpose:	To provide a free form format that would allow the transmission of text information.	
Syntax Notes:		
Semantic Notes:		
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.	
Notes:		

1. Use this segment for the Cost Performance Report Format 3 to describe baseline changes if needed. Only one repetition may be used for each reporting structure element reference (BSD segment) for this format, a maximum of 50 characters is recommended.

2. This segment can be used for the Cost Performance Report Format 5 or Variance Analysis report narrative. For these formats, use normal sentence structure, 80 characters per line is fine. A maximum of 100 repetitions is allowed for each reporting structure element (BSD segment).

3. This segment can also be used to provide a brief narrative for the Cost Performance Report Formats 1, 2, or 4, or the Cost/Schedule Status Report. Only one repetition may be used for each reporting structure element reference (BSD segment).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	MSG01	933	**Free-Form Message Text**	M	AN 1/264
			Free-form message text		
Not Used	MSG02	934	**Printer Carriage Control Code**	O	ID 2/2
			A field to be used for the control of the line feed of the receiving printer		

Segment:	**N1** Name		
Position:	150		
Loop:	N1	Mandatory	
Level:			
Usage:	Mandatory		
Max Use:	1		
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:	*Whenever possible, identification and address information should be provided using N101, N103, and N104. Use N102 and segments N2, N3, and N4 as applicable when this information cannot be provided by using one of the codes listed in N103.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	M ID 2/2

Code identifying an organizational entity, a physical location, or an individual

FR   Message From

Use this code to identify the organization sending the cost performance data.

TO   Message To

Use this code to identify the organization receiving the cost performance data.

ZD   Party to Receive Reports

The organization designated to receive reports

Use this code to identify the organization that receives an information copy of the cost performance data.

	N102	93	**Name**	X AN 1/35

Free-form name

	N103	66	**Identification Code Qualifier**	X ID 1/2

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)
33	Commercial and Government Entity (CAGE)

	N104	67	**Identification Code**	X AN 2/20

Code identifying a party or other code

Not Used	N105	706	**Entity Relationship Code**	O 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 an individual

Segment: **N2** Additional Name Information

Position: 160
Loop: N1 Mandatory
Level:
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: *This segment should only be used when N102 is used and it is necessary to provide additional name information.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	N201	93	Name		M	AN 1/35
			Free-form name			
	N202	93	Name		O	AN 1/35
			Free-form name			

Segment:	**N3** Address Information	
Position:	170	
Loop:	N1	Mandatory
Level:		
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the location of the named party	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*This segment should only be used when N102 is used.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N301	166	**Address Information** Address information	M	AN 1/35
	N302	166	**Address Information** Address information	O	AN 1/35

Segment:	**N4** Geographic Location		
Position:	180		
Loop:	N1 Mandatory		
Level:			
Usage:	Optional		
Max Use:	1		
Purpose:	To specify the geographic place of the named party		
Syntax Notes:	1 If N406 is present, then N405 is required.		
Semantic Notes:			
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.		
	2 N402 is required only if city name (N401) is in the USA or Canada.		
Notes:	*This segment should only be used when N102 is used.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N401	19	**City Name** Free-form text for city name	O	AN 2/30
Must Use	N402	156	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	O	ID 2/2
Must Use	N403	116	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID 3/11
	N404	26	**Country Code** Code identifying the country	O	ID 2/3
Not Used	N405	309	**Location Qualifier** Code identifying type of location	X	ID 1/2
Not Used	N406	310	**Location Identifier** Code which identifies a specific location	O	AN 1/30

Segment:	# PER Administrative Communications Contact
Position:	190
Loop:	N1 Mandatory
Level:	
Usage:	Optional (Must Use)
Max Use:	10
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*At least one repetition of the PER segment is required per transaction set to identify a contact person for the report. This should be a specific individual's name.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	PER01	366	**Contact Function Code**		M	ID 2/2

Code identifying the major duty or responsibility of the person or group named

AA	Authorized Representative	

Use this code for the sending contractor's contact person's name. This code is required.

BD	Buyer Name or Department	

Use this code to identify the sending contractor's organization or department. This code is optional.

PP	Program Manager	

Use this code to identify the receiving Program Manager or Program Office person's name. This code is optional.

	Ref. Des.	Data Element	Name		Attributes	
Must Use	PER02	93	**Name**		O	AN 1/35

Free-form name

1. When PER01 is code AA or PP, enter the person's name. Provide the last name, first name, and middle initial if available. Include blank spaces between name components and periods after initials. Omit the comma between the last name and first name.

2. When PER01 is code BD, enter the sending contractor's organization code or department reference.

	Ref. Des.	Data Element	Name		Attributes	
	PER03	365	**Communication Number Qualifier**		X	ID 2/2

Code identifying the type of communication number

EM	Electronic Mail	
FX	Facsimile	
TE	Telephone	

	Ref. Des.	Data Element	Name		Attributes	
	PER04	364	**Communication Number**		X	AN 1/80

Complete communications number including country or area code when applicable

	Ref. Des.	Data Element	Name		Attributes	
	PER05	365	**Communication Number Qualifier**		X	ID 2/2

Code identifying the type of communication number

EM	Electronic Mail	

		EX	Telephone Extension		
		FX	Facsimile		
		TE	Telephone		
PER06	**364**	**Communication Number**		**X**	**AN 1/80**

Complete communications number including country or area code when applicable

PER07	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

EM	Electronic Mail
EX	Telephone Extension
FX	Facsimile
TE	Telephone

PER08	**364**	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

PER09	**443**	**Contact Inquiry Reference**	**O**	**AN 1/20**

Additional reference number or description to clarify a contact number

Use this data element when PER01 is code AA or PP to enter the title of the person named in PER02.

Segment:	**DTM** Date/Time Reference
Position:	200
Loop:	N1 Mandatory
Level:	
Usage:	Optional (Must Use)
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required.
	2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*This segment is required.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3

Code specifying type of date or time, or both date and time

275   Approved

Date report was approved by contractor representative

Use this code to indicate the date the data was approved for submission.

	Ref. Des.	Data Element	Name	Attributes
Must Use	DTM02	373	Date	X DT 6/6

Date (YYMMDD)

Not Used	DTM03	337	Time	X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	DTM04	623	Time Code	O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Not Used	DTM05	624	Century	O N0 2/2

The first two characters in the designation of the year (CCYY)

Not Used	DTM06	1250	Date Time Period Format Qualifier	X ID 2/3

Code indicating the date format, time format, or date and time format

Not Used	DTM07	1251	Date Time Period	X AN 1/35

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**SE** Transaction Set Trailer	
Position:	210	
Loop:		
Level:		
Usage:	Mandatory	
Max Use:	1	
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.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			SE02 is the same number as the number in ST02.	

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