NIST Special Publication 881-31

Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003050 Transaction Set 839F Project Cost Reporting

Implementation Convention

U.S. DEPARTMENT OF COMMERCE
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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
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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 Contract Funds Status Report (CFSR) data electronically to a government customer.

2. This implementation convention is designed to be used when a Contract Data Requirements List (CDRL) for a given contract specifies the Contract Funds Status Report (CFSR) Data Item Description (DID) DI-MGMT-81468.

3. There are two appendices for this implementation convention. The example appendix provides additional reference information on how this transaction set is used to exchange funds data electronically. The other appendix is a form cross reference table that outlines how the CFSR DID requirements are mapped to the X12 standard EDI format.

	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		
Not Used	040	DLV	Deliverable Information	O	10		
Must Use	050	AMT	Monetary Amount	O	30		
Not Used	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		
Must Use	085	CAL	Calendar	O	50		
			LOOP ID - BSD			>1	
Must Use	090	BSD	Breakdown Structure Description	O	1		
	100	REF	Reference Numbers	O	100		
	105	DTM	Date/Time Reference	O	50		
Must Use	110	AMT	Monetary Amount	O	100		
Not Used	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** Code uniquely identifying a Transaction Set 839 X12.31 Project Cost Reporting	M ID 3/3
Must Use	ST02	329	**Transaction Set Control Number** 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.*	M AN 4/9

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 funds status 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 in the event preliminary funds status 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 funds status data for the given reporting period.

         20   Final Transmission

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

         22   Information Copy

	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.

	Ref. Des.	Data Element	Name	Attributes
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 typically the reporting period end date.

| 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.

| Not Used | 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.

| Not Used | BCS08 | 1193 | Program Type Code | O | ID 2/2 |

Codes identifying a program type

| | 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

| Not Used | BCS10 | 954 | Percent | O | R 1/10 |

Percentage expressed as a decimal

| Not Used | BCS11 | 954 | Percent | O | R 1/10 |

Percentage expressed as a decimal

| | 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 funds status 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 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:	

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.

    93   Funds Authorization

Reference numbers to identify funds authorization (document or other reference number) in the government contracting environment

Use this code to provide a unique reference number for this Project Cost Reporting (839) transaction set and contract funds status data. Enter the unique reference number for this transaction set in REF02. Use this code only one time for each 839 transaction set.

    AT   Appropriation Number

Typically, CFT08 (Appropriation Code) is used to identify the type or general category of appropriation. Use this code along with REF03 to provide a description of the appropriation (name). This code can also be used when CFT08 is code "ZZ" (used for other appropriation types) to provide a description of the appropriation type.

    C4   Change Number

Use this code to identify the latest modification number associated with the contract number. Enter the number in REF02.

    CT   Contract Number

Use this code when BCS05 is code "OC" for other contract types. Enter the description of the contract type in REF03.

    DX   Department/Agency Number

Use this code to provide a DoD Component name. Enter the name of the DoD Component in REF03.

	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 93 or C4.

	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 AT, CT, or DX.

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 header (i.e., title block) monetary amount information.*

Data Element Summary

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

64	Initial Contract Price Target Value of initial negotiated contract target price
65	Initial Contract Price Ceiling Value of initial negotiated contract ceiling price
66	Adjusted Contract Price Target Value of initial contract plus supplemental agreements
67	Adjusted Contract Price Ceiling Value of adjusted ceiling price

	Ref. Des.	Data Element	Name	Attributes
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/15

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

	Ref. Des.	Data Element	Name	Attributes
Not Used	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit	O ID 1/1

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 header (i.e., title block) 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

283	Funds Appropriation - Start

The date that funds appropriation begins

Use this code to indicate the beginning date for the contract funding.

284	Funds Appropriation - End

The date that funds appropriation ends

Use this code to indicate the ending date for the contract funding.

723	Current Month Ending

Use this code to indicate the current report date for the funds status data.

724	Previous Month Ending

Use this code to indicate the previous report date for the funds status data.

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

Date (YYMMDD)

	Ref. Des.	Data Element	Name	Attributes	
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)

	Ref. Des.	Data Element	Name	Attributes	
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

	Ref. Des.	Data Element	Name	Attributes	
Not Used	DTM05	624	Century	O	N0 2/2

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

	Ref. Des.	Data Element	Name	Attributes	
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

	Ref. Des.	Data Element	Name	Attributes	
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

	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

CY	Contract Funds Status Report (CFSR)
	Status report for funds appropriation including commitments, actual cost, forecast of billings, and estimated termination costs

	Ref. Des.	Data Element	Name	Attributes
Must Use	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

Use this data element to indicate the monetary amount factor for the funds status report detail data.

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

	Ref. Des.	Data Element	Name	Attributes
	CFT03	1198	**Contracting Funding Code**	O ID 2/2

Code identifying the funding type

01	Multi-Year Procurement
	Contract procurement that extends beyond one year
02	Incrementally Funded Contract (INC)
	Contract funded in increments based on agreed performance criteria
03	Contract for a Single Year (SYC)
	Funding for a contract for a single, specific year

	Ref. Des.	Data Element	Name	Attributes
	CFT04	374	**Date/Time Qualifier**	O ID 3/3

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

090	Report Start

| **CFT05** | **373** | **Date** | | **O** | **DT 6/6** |

Date (YYMMDD)

For contracts which are financed with funds appropriated in more than one fiscal year, enter the fiscal year start date for this report.

| **CFT06** | **374** | **Date/Time Qualifier** | | **O** | **ID 3/3** |

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

| 091 | Report End |

| **CFT07** | **373** | **Date** | | **O** | **DT 6/6** |

Date (YYMMDD)

For contracts which are financed with funds appropriated in more than one fiscal year, enter the fiscal year ending date for this report.

| **CFT08** | **1199** | **Appropriation Code** | | **O** | **ID 2/2** |

Code indicating the funds appropriation

01	Research, Development, Test & Evaluation (RDT&E)
02	Procurement (PROC)
03	Operations and Maintenance (O&M)
04	Military Construction (MILCOM)
ZZ	Mutually Defined

Use this code when other appropriation types need to be identified. Use the REF (1/030) segment to provide this information (REF01 is code AT, REF03 contains the appropriation description).

Segment:	**CAL** Calendar
Position:	085
Loop:	CFT Mandatory
Level:	
Usage:	Optional (Must Use)
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:	*This segment is required and used to describe the projected time frame columns at the bottom of the funds status report. Repeat this segment as needed to describe each projected time frame column. This includes a period number reference, number of reporting periods in a given time frame, and a short description.*

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", "6", "7", "8", or "9" to identify the projected time frames.*	
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. For example, enter "3" for a quarter year, enter "12" for a fiscal or calendar year.

| | CAL16 | 369 | **Free-form Description** | O | AN 1/45 |

Free-form descriptive text

Enter a short description of the projected time frame (for example, "FY98"). A maximum of four characters is recommended. This data element is optional.

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.*		

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

	Ref. Des.	Data Element	Name	Attributes
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.

Enter the appropriate element code. The receiving application for the government may have certain requirements for the element codes. Confirm any element code requirements (content and number of characters) with your customer.

	Ref. Des.	Data Element	Name	Attributes
	BSD03	352	**Description**	X AN 1/80

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

This description is optional.

	Ref. Des.	Data Element	Name	Attributes
Must Use	BSD04	1178	**Level**	O AN 1/3

Reporting structure identification

	Ref. Des.	Data Element	Name	Attributes
Not Used	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.

	Ref. Des.	Data Element	Name	Attributes
	BSD06	1196	**Breakdown Structure Detail Code**	O ID 2/2

Codes identifying details relating to a reporting breakdown structure tree

01	Labor	
	Direct labor costs	
02	Material	
	Direct material	
04	Subcontract	
	Direct subcontract	
06	Labor Overhead	
	Indirect costs associated with direct labor	
07	Material Overhead	
	Indirect costs associated with direct material	
08	Other Overhead	
	Indirect costs associated with other direct costs	
33	General & Administrative	
34	Cost of Money	

		35	Profit or Fee		

Not Used	BSD07	1178	Level	O	AN 1/3
			Reporting structure identification		
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:		

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.

The receiving application for the government may have certain requirements for the REF qualifiers you can use and the number of characters that can be entered in REF02. Confirm these details with your customer.

AT   Appropriation Number

Use this code to provide an appropriation identification for the element code described in BSD02. Use this code only one time for each BSD reference.

IX   Item Number

Use this code for other line item reference numbers that relate to the element described in BSD02. Use this code only one time for each BSD reference.

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:	**DTM** Date/Time Reference	
Position:	105	
Loop:	BSD	Optional (Must Use)
Level:		
Usage:	Optional	
Max Use:	50	
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:	*Use this segment to provide any applicable date information for the element described in BSD02. Typically, this is the fiscal year that applies to the line item or element.*	

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		
			581 Contract Period		
Not Used	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)		
Must Use	DTM06	1250	Date Time Period Format Qualifier	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
Must Use	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:	**AMT** Monetary Amount
Position:	110
Loop:	BSD Optional (Must Use)
Level:	
Usage:	Optional (Must Use)
Max Use:	100
Purpose:	To indicate the total monetary amount
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*This segment is required.*

Data Element Summary

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

Code to qualify amount

68   Funds Authorized to Date

Value of contract fund authorized from the beginning through the current reporting period

69   Accrued Expenditures

Actual cost to date

Use this code for actual to date values.

70   Open Commitments

Value of supplies or other items committed to for payment (such as on delivery of products)

Use this code for actual to date values.

71   Forecast of Billings

This is a forecast of billings to the government; includes cummulative amounts already billed (including progress or advance payments) and a forecast of amounts that will be billed to the government

Use this code for actual to date values.

72   Estimated Termination Costs

Cost that would be necessary to liquidate all government obligations if the contract were to be ended in that reporting period

Use this code for actual to date values.

73   Accrued Expenditures plus Open Commitments

Sum of actual costs and committed costs

74   Contract Work Authorizied - Definitized

The estimated price for the authorized work including profit or fee, and incentive and cost sharing associated with projected over or under runs

75   Contract Work Authorized - Not Definitized

The estimate of the fund requirements for performing required work that firm contract prices have not yet been agreed to

76   Contract Work Authorized - Total

Sum of Contract Work Authorized - Definitized and Contract Work Authorized - Not Definitized

Typically this value is calculated. Confirm with your

customer if you need to transmit this information.

77		Forecast of Work - Not Yet Authorized

An estimate of fund requirements including fee or profit for changes proposed, but not yet directed by the customer

| 78 | Forecast of Work - All Other |

An estimate of fund requirements for additional work that the contractor expects to do

| 79 | Forecast of Work - Total |

Sum of Forecast Work - Not Yet Authorized and Forecast of Work - All Other

Typically this value is calculated. Confirm with your customer if you need to transmit this information.

| 80 | Funding - Total Requirements |

The estimate of total fund requirements for contract work authorized and forecast

Typically this value is calculated. Confirm with your customer if you need to transmit this information.

| 81 | Funds Carryover |

For incrementally funded contract, this is the amount that the prior Federal fiscal year funding was in excess of the prior year's requirement

| 82 | Net Funds Required |

An estimate of net funds required, less funds carryover

Typically this value is calculated. Confirm with your customer if you need to transmit this information.

| Must Use | AMT02 | 782 | **Monetary Amount** | M R 1/15 |

Monetary amount

For all monetary amounts, if entering factored 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:	**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: *This segment is used for the projected time frame column values on the funds status report. The projected time frames used in this segment directly relate to the time frames described in the CAL segment for the funds status report.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
Not Used	PAM01	673	**Quantity Qualifier**	X ID 2/2
			Code specifying the type of quantity	
Not Used	PAM02	380	**Quantity**	X R 1/15
			Numeric value of quantity	
Not Used	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	
Must Use	PAM04	522	**Amount Qualifier Code**	X ID 1/2
			Code to qualify amount	

69	Accrued Expenditures
	Actual cost to date
70	Open Commitments
	Value of supplies or other items committed to for payment (such as on delivery of products)
71	Forecast of Billings
	This is a forecast of billings to the government; includes cummulative amounts already billed (including progress or advance payments) and a forecast of amounts that will be billed to the government
72	Estimated Termination Costs
	Cost that would be necessary to liquidate all government obligations if the contract were to be ended in that reporting period

Ref. Des.	Data Element	Name	Attributes	
Must Use	PAM05	782	**Monetary Amount**	X R 1/15
			Monetary amount	
Must Use	PAM06	344	**Unit of Time Period or Interval**	X ID 2/2
			Code indicating the time period or interval	

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		
			194	Period End		
			404	Year Ending		

| Must Use | PAM08 | 373 | Date | X | DT 6/6 |
| | | | Date (YYMMDD) | | |

Enter the month, period, or year 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:	*Use this segment if you need to provide limited remarks or comments about the funds status data. Use is limited to 100 repetitions, any format is fine.*	

Data Element Summary

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

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 funds status data.	
			TO	Message To	
				Use this code to identify the organization receiving the funds status 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 funds status 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 Free-form name	M	AN 1/35
	N202	93	Name Free-form name	O	AN 1/35

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 contact person's name. This code is optional.

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.

	PER03	365	**Communication Number Qualifier**	X	ID 2/2

Code identifying the type of communication number

EM	Electronic Mail
FX	Facsimile
TE	Telephone

	PER04	364	**Communication Number**	X	AN 1/80

Complete communications number including country or area code when applicable

	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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