Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003050 Transaction Set 870 Order Status Report

Implementation Convention

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

Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003050 Transaction Set 870 Order Status Report

Implementation Convention

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.

870 Order Status Report

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Order Status Report Transaction Set (870) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to report on the current status of a requirement forecast, an entire purchase order, selected line items on a purchase order, selected products/services on a purchase order, or purchase orders for a specific customer in their entirety or on a selection basis. The transaction set can also be used to report on the current status of single or multiple requisitions. The report format allows for the inclusion of "reasons" relative to the status. This transaction set may also be used to update the supplier's scheduled shipment or delivery dates. This transaction set can result from either an inquiry or a prearranged schedule agreed to by the trading partners.

Notes:

1. Contractors use this transaction set to respond to a delivery status inquiry or to generate a revised delivery forecast.

2. When permitted by an award instrument, this transaction set may be used by contractors to satisfy a CDRL requirement to submit delivery status reports.

3. This transaction set may not be used in lieu of an 865 transaction set to request a change to the delivery requirements of an award instrument.

Heading:

	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	BSR	Beginning Segment for Order Status Report	M	1		
N/U	040	REF	Reference Numbers	O	12		
N/U	042	TD3	Carrier Details (Equipment)	O	1		
N/U	043	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	1		
N/U	044	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
			LOOP ID - N1			200	
Must Use	050	N1	Name	O	1		
N/U	060	N2	Additional Name Information	O	2		
N/U	070	N3	Address Information	O	2		
N/U	080	N4	Geographic Location	O	1		
N/U	090	REF	Reference Numbers	O	12		
	100	PER	Administrative Communications Contact	O	3		
N/U	105	PWK	Paperwork	O	1		
N/U	110	DTM	Date/Time Reference	O	10		
			LOOP ID - LM			10	
N/U	120	LM	Code Source Information	O	1		
N/U	130	LQ	Industry Code	M	100		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			1000	
Must Use	010	HL	Hierarchical Level	M	1		
N/U	020	PRF	Purchase Order Reference	O	1		
			LOOP ID - ISR			104	
	030	ISR	Item Status Report	O	1		
N/U	040	PID	Product/Item Description	O	6		
N/U	050	QTY	Quantity	O	4		
	060	REF	Reference Numbers	O	12		
N/U	070	PER	Administrative Communications Contact	O	3		
	080	DTM	Date/Time Reference	O	10		
N/U	086	CS	Contract Summary	O	3		n1
			LOOP ID - N1			200	
	090	N1	Name	O	1		
N/U	100	N2	Additional Name Information	O	2		
N/U	110	N3	Address Information	O	2		
N/U	120	N4	Geographic Location	O	1		
N/U	130	REF	Reference Numbers	O	12		
N/U	140	PER	Administrative Communications Contact	O	3		
			LOOP ID - LM			10	
	144	LM	Code Source Information	O	1		
Must Use	145	LQ	Industry Code	M	100		
			LOOP ID - PO1			1000	
	150	PO1	Baseline Item Data	O	1		
N/U	155	CUR	Currency	O	1		
N/U	160	SLN	Subline Item Detail	O	100		
N/U	170	PO3	Additional Item Detail	O	1		
N/U	180	PID	Product/Item Description	O	1000		
N/U	190	MEA	Measurements	O	40		
N/U	200	PKG	Marking, Packaging, Loading	O	25		
			LOOP ID - ISR			104	
	210	ISR	Item Status Report	O	1		
N/U	220	PID	Product/Item Description	O	6		
	230	QTY	Quantity	O	4		
N/U	240	DTM	Date/Time Reference	O	10		
N/U	250	N1	Name	O	1		
N/U	251	N2	Additional Name Information	O	2		
N/U	252	N3	Address Information	O	2		
N/U	253	N4	Geographic Location	O	1		
N/U	260	TD1	Carrier Details (Quantity and Weight)	O	1		
N/U	270	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
N/U	280	TD3	Carrier Details (Equipment)	O	1		
N/U	290	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	1		
N/U	300	REF	Reference Numbers	O	12		
N/U	310	SAC	Service, Promotion, Allowance, or Charge Information	O	25		

			LOOP ID - LM			10	
	320	LM	Code Source Information	O	1		
Must Use	330	LQ	Industry Code	M	100		
			LOOP ID - LX			>1	
N/U	340	LX	Assigned Number	O	1		n2
N/U	350	REF	Reference Numbers	O	>1		
N/U	360	N1	Name	O	1		
N/U	370	DTM	Date/Time Reference	O	10		
			LOOP ID - LM			10	
N/U	380	LM	Code Source Information	O	1		
N/U	390	LQ	Industry Code	M	100		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
N/U	010	CTT	Transaction Totals	O	1		n3
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Use is limited to intra-organizational transactions.
2. The LX loop conveys serial number, lot number, and inventory data.
3. The number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment:	**ST** Transaction Set Header		
Position:	010		
Loop:			
Level:	Heading		
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			
			870 X12.23 Order Status Report			
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			
			This unique control number is assigned by the originator of the transaction set or by the originator's application program. This same number is carried in SE02.			

Segment:	**BSR** Beginning Segment for Order Status Report
Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of an Order Status Report.
Syntax Notes:	
Semantic Notes:	1 BSR03 indicates a status report document number assigned by the sender.
	2 BSR04 indicates the date of this report from the sender.
	3 BSR07 indicates the time of this report from the sender.
	4 BSR08 indicates a status report document number assigned by the inquirer.
	5 BSR09 indicates the date this report was requested from the sender by the inquirer.
	6 BSR10 indicates the time this report was requested from the sender by the inquirer.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	BSR01	850	Status Report Code	M	ID	1/2

Code indicating the reason for sending the report

1	Response to an Order Status Inquiry (869)
2	Prearranged Schedule or Agreement

Use to indicate this report is being submitted as a CDRL deliverable as required by an award instrument.

3	Unsolicited Report

Use to indicate a contractor initiated Order Status Report.

	Ref. Des.	Data Element	Name	Attributes		
Must Use	BSR02	847	Order/Item Code	M	ID	1/2

Code identifying a group of orders and items

1. Use to identify the extent of the delivery information being provided.

2. When BSR01 is code 1, cite the same code carried in BSI03 of the 869 transaction set.

AO   All orders - items with changed status

Use to indicate a status report is provided for all items that have previously been reported with changed delivery status on all award instruments that are not physically complete.

CA   All Orders - All Items

1. Use to indicate a status report is provided for every item on all award instruments that are not physically complete.

CO   All Orders - Unshipped Items

Use to indicate a status report is provided for all unshipped items on all award instruments that are not physically complete.

PA   Selected Orders - All Items

Use to indicate a status report is provided for all items in specified orders.

PO   Selected Orders - Unshipped Items

Use to indicate a status report is provided for all unshipped items in specified orders.

| | PP | Selected Orders - Selected Items |

Use to indicate a status report is provided for identified items in specified orders.

| Must Use | BSR03 | 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.
Use to identify a unique number assigned to this transaction set to reference in other transaction sets, e.g., 824 Application Advice.

| Must Use | BSR04 | 373 | Date | M | DT | 6/6 |

Date (YYMMDD)
Use to identify the date of this transaction set.

| | BSR08 | 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.
When BSR01 is code 1, use to identify the unique reference number of the 869 Order Status Inquiry transaction set to which this transaction set is responding. This is the same number carried in BSI01 of the 869 transaction set.

| | BSR11 | 353 | Transaction Set Purpose Code | O | ID | 2/2 |

Code identifying purpose of transaction set

| | 00 | Original |

Use to indicate an original report.

| | 01 | Cancellation |

Use to indicate the cancellation of a previously transmitted 870 transaction set.

| | 07 | Duplicate |

Use to indicate a duplicate transmission of an original report.

Segment:	**N1** Name
Position:	050
Loop:	N1
Level:	Heading
Usage:	Optional (Must Use)
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:	*At least two iterations of this N1 loop are REQUIRED, citing codes FR and TO in N101.*

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				

       E8   Inquiring Party

                      Use to indicate the party who initiated a request (869 transaction set) for the report provided, if other than the TO party.

       FR   Message From

                      Use to indicate the originator of the transaction set.

       TO   Message To

                      Use to indicate the recipient of the transaction set.

	Ref. Des.	Data Element	Name		Attributes		
	N103	66	Identification Code Qualifier		X	ID	1/2

Code designating the system/method of code structure used for Identification Code (67)

While the federal EDI program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases.

       1   D-U-N-S Number, Dun & Bradstreet

                      Use of the DUNs and DUNs +4 number is preferred over other codes to identify an entity.

       9   D-U-N-S+4, D-U-N-S Number with Four Character Suffix

                      Use of the DUNs and DUNs +4 number is preferred over other codes to identify an entity.

       10   Department of Defense Activity Address Code (DODAAC)

                      Use to indicate a Department of Defense or Civilian Agency Activity Address Code.

       33   Commercial and Government Entity (CAGE)

	Ref. Des.	Data Element	Name		Attributes		
	N104	67	Identification Code		X	AN	2/20
			Code identifying a party or other code				

Segment:	**PER** Administrative Communications Contact	
Position:	100	
Loop:	N1	
Level:	Heading	
Usage:	Optional	
Max Use:	3	
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:	*Use this segment to provide names, communication numbers, and titles of individuals associated with the entity cited in the same N1 loop.*	

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

IC   Information Contact

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

Free-form name

Use to identify the name of a point of contact. Last name, followed by first name, is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended. PER09 may be used to cite the party's title or office symbol number.

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

Code identifying the type of communication number

AU   Defense Switched Network

EM   Electronic Mail

FX   Facsimile

TE   Telephone

Use to indicate a commercial telephone number. Include the area code.

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

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters.

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

Code identifying the type of communication number

Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a telephone number, PER05/06 can be used to cited a FAX number.

AU   Defense Switched Network

EM   Electronic Mail

EX   Telephone Extension

Use only if PER03 is used citing code AU or TE.

FX   Facsimile

TE   Telephone

Use to indicate a commercial telephone number.

Include the area code.

PER06	364	**Communication Number**	X	AN	1/80

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters.

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

Code identifying the type of communication number

Use to identify a third communications number for the party cited in PER02.

AU	Defense Switched Network	
EM	Electronic Mail	
EX	Telephone Extension	

Use only if PER05 is used citing code AU or TE.

FX	Facsimile	
TE	Telephone	

Use to indicate a commercial telephone number. Include the area code.

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

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters.

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

Additional reference number or description to clarify a contact number

Use, if necessary, to provide the title or office symbol number of the party cited in PER02.

Segment:	**HL** Hierarchical Level	
Position:	010	
Loop:	HL	
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments	
Syntax Notes:		
Semantic Notes:		
Comments:	1	The HL segment defines a top-down/left-right ordered structure.
	2	HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
	3	HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
	4	HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
	5	HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Notes:
1. This segment is used to identify the data level within a Delivery Status Report and the dependencies among various levels.

2. For example, if the report was being submitted at the award instrument level, HL03 would contain code IB, the award instrument number being reported would be identified in the 2/REF/060 segment the citing code CT in REF01 and the applicable status would be provided in the 2/ISR/030 segment.

3. If the report went down to the CLIN/SUBCLIN/ELIN level, these would be identified in the PO1 segment in PO101 and the status applicable to the CLIN/SUBCLIN/ELIN would be provided in the 2/ISR/210 loop.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	HL01	628	**Hierarchical ID Number**	M AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
			Use to identify a unique and progressive number assigned by the originator of the transaction set starting with the number 1.	
	HL02	734	**Hierarchical Parent ID Number**	O AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
			Use to identify a previous HL segment to which the current HL segment is subordinate. This is a number cited in HL01. For example, the second HL segment may be subordinate to the first HL segment, therefore, the number 1 would be cited; or the sixth HL segment may be subordinate to the fourth HL segment, therefore, the number 4 would be cited. If an HL segment is not subordinate to another HL segment, this data element is left blank.	
Must Use	HL03	735	**Hierarchical Level Code**	M ID 1/2

Code defining the characteristic of a level in a hierarchical structure
Use to identify the data level of the report.

25   Subgroup

Use to indicate a hierarchical level for data applicable to a specified subcontractor.

B   Buyer's Location

1. Use to indicate a hierarchical level for data associated with award instruments issued by a specific buying activity.

2. Use of this code is only necessary if a report by multiple buying offices was requested.

C   Date

1. Use to indicate a hierarchical level for data applicable to a specified delivery date

2. Use of this code is only necessary if a report by multiple delivery dates or multiple delivery date ranges was requested

D   Product Description

Use to indicate a hierarchical level for data identified by a product description, e.g., NSN, manufacturer part number, etc. , or by a type of service.

2. Use of this code is only necessary if a report by multiple product descriptions was requested. Identify the product being reported in the PO1 segment.

IB   Contract

Use to indicate a hierarchical level for data applicable to specified award instrument, e.g., contract, basic contract, purchase order, basic ordering agreement, etc.

IC   Contract Data Requirements List (CDRL)

Use to indicate a hierarchical level for data applicable to a specified exhibit.

O   Order

Use to indicate a hierarchical level for data applicable to a specified delivery order, call, or release.

PA   Primary Administrator

Use to indicate a hierarchical level for data associated with award instruments administered by a specified contract administration office.

2. Use of this code is only necessary if a report by multiple contract administration offices was requested.

S   Shipment

1. Use to indicate a hierarchical level for data applicable to a specified delivery location.

2. Use of this code is only necessary if a report by multiple delivery locations was requested.

HL04	736	**Hierarchical Child Code**	O	ID	1/1

Code indicating whether if there are hierarchical child data segments subordinate to the level being described.
Use to identify whether or not there are subordinate hierarchical levels to follow.

0	No Subordinate HL Segment in This Hierarchical Structure.
1	Additional Subordinate HL Data Segment in This Hierarchical Structure.

Segment:	**ISR** Item Status Report	
Position:	030	
Loop:	ISR	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify detailed purchase order/item status	
Syntax Notes:		
Semantic Notes:	1	If ISR01 specifies a date, ISR02 is required.
Comments:		
Notes:	*Use this segment to provide the delivery status applicable to all of the items in an award instrument. If the status varies by item, use the 2/ISR/210 segment.*	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
Must Use	ISR01	368	Shipment/Order Status Code		M	ID	2/2

Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

Use to identify the status of the award instrument or exhibit. Where additional information regarding a delayed delivery or shipment is necessary, use the 2/LQ/145 segment to provide the information in a codified form.

CL	Complete

Use to indicate the completion of a service. Cite the completion date in ISR02.

ED	Expect to Ship By (Date)

Use to indicate the date on which the contractor expects to ship the items. If the shipment date is a change from the date required to meet the contractual delivery date, cite a reason for this change in the 2/LQ/145 segment citing code 12 in LQ01.

ID	Insufficient Information

Use to indicate the contractor has no record of the award instrument cited in REF01/02.

IN	In Process

Use to indicate delivery will be made in accordance with the award instrument schedule.

NY	No Shipping Schedule

Use to indicate no shipping schedule can be provided due to reasons provided in the 2/LQ/145 citing code 14 in LQ01.

SH	Shipped (Date)

Cite the shipment date in ISR02. If more than one shipment was made, cite the last shipment date. If applicable, provide additional information in the 2/LQ/145 segment citing code 14 in LQ01.

UN	Unavailable

Use to indicate the contractor will not perform the award instrument cited in REF01/02.

ISR02	373	Date		O	DT	6/6

Date (YYMMDD)

When applicable, use to identify a date associated with a code cited in ISR01.

	Segment:	**REF** Reference Numbers
	Position:	060
	Loop:	HL
	Level:	Detail
	Usage:	Optional
	Max Use:	12
	Purpose:	To specify identifying numbers.
	Syntax Notes:	1 At least one of REF02 or REF03 is required.
	Semantic Notes:	
	Comments:	
	Notes:	*When HL03 is code IB, IC, or O, use this segment to identify the number of the award instrument number; exhibit reference; or the delivery order, call or release.*

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.

CT   Contract Number

When HL03 is code IB, use to indicate the number of an award instrument.

DO   Delivery Order Number

When HL03 is code O, use to indicate a delivery order, call or release.

GO   Exhibit Identifier

When HL03 is code IC, use to indicate the exhibit letter assigned to a Contract Data Requirements List (CDRL) that requires a contract deliverable being provided in this 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.

Segment:	**DTM** Date/Time Reference
Position:	080
Loop:	HL
Level:	Detail
Usage:	Optional
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:	*1. When HL03 is code C, use this segment to identify the delivery dates or range of dates applicable to the report.*
	2. Each DTM segment that identifies a specific delivery date or range of dates, must be associated with a specific HL segment that cites code C in HL03.
	3. If the 869 transaction set requested status for a single delivery date or range of dates, this segment is not used.

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				
			996	Required Delivery			
				Use to indicate the specific delivery date applicable to the report.			
	DTM02	373	Date		X	DT	6/6
			Date (YYMMDD)				
	DTM05	624	Century		O	N0	2/2
			The first two characters in the designation of the year (CCYY)				
	DTM06	1250	Date Time Period Format Qualifier		X	ID	2/3
			Code indicating the date format, time format, or date and time format				
			1. Use to identify a range of dates to which the report applies.				
			2. The range may be both past and future dates.				
			RD6	Range of Dates Expressed in Format YYMMDD-YYMMDD			
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD			
	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:	**N1** Name
Position:	090
Loop:	N1
Level:	Detail
Usage:	Optional
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:	*When HL03 is code S, use this segment to identify the ship-to location applicable to the report.*

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			
			ST Ship To			
	N103	66	**Identification Code Qualifier**	X	ID	1/2
			Code designating the system/method of code structure used for Identification Code (67)			
			While the federal EDI program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases.			
			1 D-U-N-S Number, Dun & Bradstreet			
			Use of the DUNs and DUNs +4 number is preferred over other codes to identify an entity.			
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix			
			Use of the DUNs and DUNs +4 number is preferred over other codes to identify an entity.			
			10 Department of Defense Activity Address Code (DODAAC)			
			Use to indicate a Department of Defense or Civilian Agency Activity Address Code.			
			33 Commercial and Government Entity (CAGE)			
	N104	67	**Identification Code**	X	AN	2/20
			Code identifying a party or other code			

Segment:	**LM** Code Source Information	
Position:	144	
Loop:	LM	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To transmit standard code list identification information	
Syntax Notes:		
Semantic Notes:		
Comments:	1 LM02 identifies the applicable industry code list source information.	
Notes:	*Use this loop to identify coded data applicable to a delivery date or shipment date that applies to all of the line items in the award instrument. When the coded data varies by line item, use the 2/LM/320 loop.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	LM01	559	Agency Qualifier Code	M	ID	2/2
			Code identifying the agency assigning the code values			
			Use any code.			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	LM02	822	Source Subqualifier	O	AN	1/15
			A reference that indicates the table or text maintained by the Source Qualifier			
			When LQ01 is code ZZ, identify the code list that contains the code cited in LQ02.			

Segment:	**LQ** Industry Code
Position:	145
Loop:	LM
Level:	Detail
Usage:	Mandatory
Max Use:	100
Purpose:	Code to transmit standard industry codes
Syntax Notes:	1 If LQ01 is present, then LQ02 is required.
Semantic Notes:	
Comments:	
Notes:	*Use this segment to provide coded data that provides the reason for a delivery date or shipment date cited in ISR02 or to other codes cited in ISR01.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
LQ01	1270	**Code List Qualifier Code**	O	ID	1/3

Code identifying a specific industry code list

	12	Reason for Contract Delivery Date Revision Code

When ISR01 is code ED, use to indicate the reason for the revised delivery date.

	14	Contract Shipment Advice Code

When ISR01 is code NY or SH, use, if applicable, to indicate additional information regarding a shipment.

	ZZ	Mutually Defined

Use to indicate that a code list is identified in LM02.

Ref. Des.	Data Element	Name	Attributes		
LQ02	1271	**Industry Code**	X	AN	1/20

Code indicating a code from a specific industry code list

Use to cite a code that is contained in a code source list applicable to the qualifier code cited in LQ01 or when LQ01 is code ZZ, in a code source list cited in LM02.

Segment:	**PO1** Baseline Item Data
Position:	150
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify basic and most frequently used line item data

Syntax Notes:	1	If PO103 is present, then PO102 is required.
	2	If PO105 is present, then PO104 is required.
	3	If either PO106 or PO107 is present, then the other is required.
	4	If either PO108 or PO109 is present, then the other is required.
	5	If either PO110 or PO111 is present, then the other is required.
	6	If either PO112 or PO113 is present, then the other is required.
	7	If either PO114 or PO115 is present, then the other is required.
	8	If either PO116 or PO117 is present, then the other is required.
	9	If either PO118 or PO119 is present, then the other is required.
	10	If either PO120 or PO121 is present, then the other is required.
	11	If either PO122 or PO123 is present, then the other is required.
	12	If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

Comments:	1	See the Data Dictionary for a complete list of ID's.
	2	PO101 is the line item identification.
	3	PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes: *1. When HL03 is code IB, IC, or O, use this loop to provide delivery status for a CLIN, SUBCLIN, or ELIN applicable to an award instrument; delivery order, call, release; or exhibit. Only PO101 shall be used. Status applicable to the CLIN, SUBCLIN or ELIN will be provided in the 2/ISR/210 loop.*

2. When HL03 is code D, use this segment to identify the product to which the report applies. Only PO106/07/08/09 may be used.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
PO101	350	Assigned Identification	O	AN	1/11

Alphanumeric characters assigned for differentiation within a transaction set

1. Use only when HL03 is code IB, IC, or O, to identify the CLIN, SUBCLIN, or ELIN.

PO106	235	Product/Service ID Qualifier	X	ID	2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
When HL03 is code D, use to identify the product to which the report applies.

CN	Commodity Name
	Use to indicate the commodity name.
FS	National Stock Number
MG	Manufacturer's Part Number
	When used, PO108/09 must be used with PO108 citing either code MF or ZB.
N1	National Drug Code in 4-4-2 Format
N2	National Drug Code in 5-3-2 Format

	N3	National Drug Code in 5-4-1 Format
	N4	National Drug Code in 5-4-2 Format
	ND	National Drug Code (NDC)
	PD	Part Number Description

Use to indicate the plain text description of an item that cannot be identified by a number.

PO107	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

PO108	**235**	**Product/Service ID Qualifier**	**X**	**ID**	**2/2**

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

1. When PO106 cites code MG, cite either code MF or ZB to identify the manufacturer.

2. The use of code MF is preferred over code ZB as the method to identify the manufacturer of a part number.

	MF	Manufacturer

When used, cite the DUNS number of the manufacturer in the following data element.

	ZB	Commercial and Government Entity (CAGE) Code

Use to indicate a manufacturer who can be identified by a CAGE code.

PO109	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

Segment:	**ISR** Item Status Report		
Position:	210		
Loop:	ISR		
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify detailed purchase order/item status		
Syntax Notes:			
Semantic Notes:	1 If ISR01 specifies a date, ISR02 is required.		
Comments:			
Notes:	*Use this segment when the delivery status varies by item within an award instrument. If the delivery status is the same for all of the items in an award instrument, use the 2/IRS/030 segment.*		

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use ISR01	368	**Shipment/Order Status Code**	**M ID 2/2**

Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

CL	Complete

Use to indicate the completion of a service. Cite the completion date in ISR02.

CP	Partial Shipment on (Date), Considered No Backorder

Use to indicate a shipment of a quantity less than the contract quantity and that the contractor considers the order complete. Identify the shipment quantity in the 2/QTY/230 segment and if applicable, provide additional information in the 2/LQ/330 segment citing code 14 in LQ01. Cite the shipment date in ISR02.

ED	Expect to Ship By (Date)

Use to indicate the date on which the contractor expects to ship the item. If the shipment date is a change from the date required to meet the contractual delivery date, cite a reason for this change in the 2/LQ/330 segment citing code 12 in LQ01.

IN	In Process

Use to indicate delivery will be made in accordance with the award instrument schedule.

NY	No Shipping Schedule

Use to indicate no shipping schedule can be provided due to reasons provided in the 2/LQ/330 segment citing code 14 in LQ01.

PR	Partial Shipment

Use to indicate a shipment of a quantity less than the contract quantity. When used, identify the quantity of the partial shipment in the 2/QTY/230 segment and, if applicable, provide additional information in the 2/LQ/330 segment citing code 14 in LQ01. Cite the shipment date in ISR02.

SH	Shipped (Date)

Cite the shipment date in ISR02. If more than one shipment was made, cite the last shipment date. If applicable, provide additional information in the 2/LQ/330 segment citing code 14 in LQ01.

ISR02   373   Date   **O   DT   6/6**
                           Date (YYMMDD)

                           When applicable, use to provide a date applicable to a code cited in ISR01.

Segment:	**QTY** Quantity		
Position:	230		
Loop:	ISR		
Level:	Detail		
Usage:	Optional		
Max Use:	4		
Purpose:	To specify quantity information		
Syntax Notes:			
Semantic Notes:			
Comments:			
Notes:	*When ISR01 is code CP or PR, use to identify the quantity shipped and the portion of the shipped quantity that was inspected and accepted by the government.*		

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			

39	Shipped Quantity	
QA	Quantity Approved	
	Use to indicate the quantity of the shipment that was inspected and accepted by the government.	

	Ref. Des.	Data Element	Name	Attributes		
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			
			Refer to 003050 Data Element Dictionary for acceptable code values.			

Segment:	**LM** Code Source Information	
Position:	320	
Loop:	LM	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To transmit standard code list identification information	
Syntax Notes:		
Semantic Notes:		
Comments:	**1** LM02 identifies the applicable industry code list source information.	
Notes:	*Use this loop to provided coded data applicable to the delivery date or shipment date of the item cited in PO101.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	LM01	559	Agency Qualifier Code	M	ID	2/2
			Code identifying the agency assigning the code values			
			Use any code.			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	LM02	822	Source Subqualifier	O	AN	1/15
			A reference that indicates the table or text maintained by the Source Qualifier			
			When LQ01 is code ZZ, identify the code list that contains the code cited in LQ02.			

Segment:	**LQ** Industry Code
Position:	330
Loop:	LM
Level:	Detail
Usage:	Mandatory
Max Use:	100
Purpose:	Code to transmit standard industry codes
Syntax Notes:	1 If LQ01 is present, then LQ02 is required.
Semantic Notes:	
Comments:	
Notes:	*Use this loop to provide coded data that provides the reason for a delivery date or a shipment date for the item cited in PO101 or for coded data applicable to codes in ISR01.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
LQ01	1270	Code List Qualifier Code	O	ID	1/3

Code identifying a specific industry code list

12	Reason for Contract Delivery Date Revision Code
	When ISR01 is code ED, use to indicate the reason for the revised delivery date.
14	Contract Shipment Advice Code
	When ISR01 is code CP, NY, PR, or SH, use, if applicable, to indicate additional information regarding a shipment.
ZZ	Mutually Defined
	Use to indicate that a code list is identified in LM02.

Ref. Des.	Data Element	Name	Attributes		
LQ02	1271	Industry Code	X	AN	1/20

Code indicating a code from a specific industry code list

Use to cite a code that is contained in a code source list applicable to the qualifier code cited in LQ01 or when LQ01 is code ZZ, in a code source list cited in LM02.

Segment:	**SE** Transaction Set Trailer			
Position:	020			
Loop:				
Level:	Summary			
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			
		Cite the same number carried in ST02.			

NIST Technical Publications

Periodical

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

Nonperiodicals

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

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

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

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

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

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

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

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

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

NIST Interagency Reports (NISTIR)—A special series of interim or final reports on work performed by NIST for outside sponsors (both government and nongovernment). In general, initial distribution is handled by the sponsor; public distribution is by the National Technical Information Service, Springfield, VA 22161, in paper copy or microfiche form.