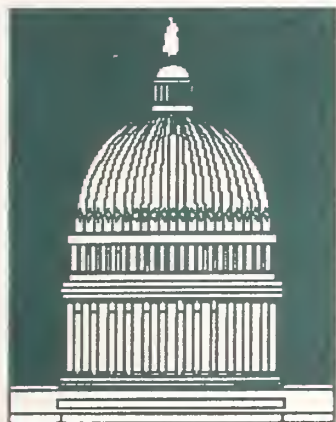




A11105 354056

NIST
PUBLICATIONS

NIST Special Publication 881-55



Federal Implementation Guideline for Electronic Data Interchange

**ASC X12 003040 Transaction Set 843
Response to Request for Quotation
(Revision 1)**

Implementation Convention

NIST

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

The National Institute of Standards and Technology was established in 1988 by Congress to “assist industry in the development of technology . . . needed to improve product quality, to modernize manufacturing processes, to ensure product reliability . . . and to facilitate rapid commercialization . . . of products based on new scientific discoveries.”

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

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

Office of the Director

- National Quality Program
- International and Academic Affairs

Technology Services

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

Advanced Technology Program

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

Manufacturing Extension Partnership Program

- Regional Programs
- National Programs
- Program Development

Electronics and Electrical Engineering Laboratory

- Microelectronics
- Law Enforcement Standards
- Electricity
- Semiconductor Electronics
- Electromagnetic Fields¹
- Electromagnetic Technology¹
- Optoelectronics¹

Chemical Science and Technology Laboratory

- Biotechnology
- Physical and Chemical Properties²
- Analytical Chemistry
- Process Measurements
- Surface and Microanalysis Science

Physics Laboratory

- Electron and Optical Physics
- Atomic Physics
- Optical Technology
- Ionizing Radiation
- Time and Frequency¹
- Quantum Physics¹

Materials Science and Engineering Laboratory

- Intelligent Processing of Materials
- Ceramics
- Materials Reliability¹
- Polymers
- Metallurgy
- NIST Center for Neutron Research

Manufacturing Engineering Laboratory

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

Building and Fire Research Laboratory

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

Information Technology Laboratory

- Mathematical and Computational Sciences²
- Advanced Network Technologies
- Computer Security
- Information Access and User Interfaces
- High Performance Systems and Services
- Distributed Computing and Information Services
- Software Diagnostics and Conformance Testing

¹ At Boulder, CO 80303.

² Some elements at Boulder, CO.

Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003040 Transaction Set 843 Response to Request for Quotation (Revision 1)

Implementation Convention

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

Editor: Dr. Jean-Philippe Favreau

January 1998



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

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

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

Reports on Information Technology

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

National Institute of Standards and Technology Special Publication 881-55
Natl. Inst. Stand. Technol. Spec. Publ. 881-55, 109 pages (Jan. 1998)
CODEN: NSPUE2

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1998

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402

843 Response to Request for Quotation

Functional Group ID=**RR**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Response to Request for Quotation Transaction Set (843) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide potential buyers with price, delivery schedule, and other terms from potential sellers of goods and services, in response to a request for such information.

Notes:

- 1. Use this transaction set to respond to solicitations for quotes for federal government small purchases, or to amend or cancel a quote.*
- 2. In this convention, the terms solicit and quote are used generically and can encompass such other terms as IFB and bid; RFP and proposal.*
- 3. Use, if available, segments in table 1 when the quote contains one line item or multiple line items and the data applies to all line items. Use the corresponding segment in table 2 when the quote contains multiple line items and the data varies by line item.*
- 4. When BQR01 is code 02, 03, or 04, use only those segments and data elements that are mandatory or necessary to add, delete, or change data in the quote.*

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	BQR	Beginning Segment for Response to Request For Quotation	M	1		
Not Used	030	NTE	Note/Special Instruction	F	100		
	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	12		
Not Used	060	PER	Administrative Communications Contact	O	3		
Not Used	070	TAX	Tax Reference	O	3		
	080	FOB	F.O.B. Related Instructions	O	>1		
Not Used	090	CTP	Pricing Information	O	25		
Not Used	110	CSH	Header Sale Condition	O	1		
	120	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	140	DIS	Discount Detail	O	20		
	150	DTM	Date/Time Reference	O	10		
	160	LDT	Lead Time	O	12		
Not Used	180	LIN	Item Identification	O	5		nl
Not Used	190	PID	Product/Item Description	O	200		
	200	MEA	Measurements	O	40		
	210	PWK	Paperwork	O	25		
	220	PKG	Marking, Packaging, Loading	O	25		

Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	250	TD3	Carrier Details (Equipment)	O	12
	260	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5
Not Used	270	MAN	Marks and Numbers	O	10
Not Used	280	CTB	Restrictions/ Conditions	O	5
Not Used	285	CPR	Commodity Price Reference	O	2
LOOP ID - N9					1000
	290	N9	Reference Number	O	1
	300	MSG	Message Text	O	1000
LOOP ID - N1					10000
	310	N1	Name	O	1
	320	N2	Additional Name Information	O	2
	330	N3	Address Information	O	2
	340	N4	Geographic Location	O	1
	350	REF	Reference Numbers	O	12
	360	PER	Administrative Communications Contact	O	3
Not Used	370	FOB	F.O.B. Related Instructions	O	1
Not Used	380	TD1	Carrier Details (Quantity and Weight)	O	2
	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	400	TD3	Carrier Details (Equipment)	O	12
Not Used	410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	420	PKG	Marking, Packaging, Loading	O	25

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - PO1					100000	
	010	PO1	Baseline Item Data	O	1	
Not Used	020	CUR	Currency	O	1	
	030	PO3	Additional Item Detail	O	25	
	040	CTP	Pricing Information	O	25	
	049	MEA	Measurements	O	40	
LOOP ID - PID					1000	
	050	PID	Product/Item Description	O	1	
Not Used	060	MEA	Measurements	O	10	
	070	PWK	Paperwork	O	25	
	080	PKG	Marking, Packaging, Loading	O	25	
	090	PO4	Item Physical Details	O	1	
	100	REF	Reference Numbers	O	12	
Not Used	110	PER	Administrative Communications Contact	O	3	
	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25	
Not Used	140	IT8	Conditions of Sale	O	1	
	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
	160	DIS	Discount Detail	O	20	
Not Used	170	TAX	Tax Reference	O	3	

	180	FOB	F.O.B. Related Instructions	O	1	
	190	SDQ	Destination Quantity	O	50	
	200	DTM	Date/Time Reference	O	10	
	210	LDT	Lead Time	O	12	
	220	SCH	Line Item Schedule	O	104	n2
Not Used	230	FST	Forecast Schedule	O	5	
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1	
	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	260	TD3	Carrier Details (Equipment)	O	12	
	270	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
Not Used	280	MAN	Marks and Numbers	O	10	
Not Used	290	CTB	Restrictions/ Conditions	O	5	
LOOP ID - CST					100	
Not Used	300	CST	Cost Analysis	O	1	
Not Used	310	PID	Product/Item Description	O	1	
Not Used	320	CUR	Currency	O	1	
Not Used	330	DTM	Date/Time/Period	O	2	
LOOP ID - SLN					1000	
Not Used	340	SLN	Subline Item Detail	O	1	
Not Used	350	PID	Product/Item Description	O	1000	
LOOP ID - CST					100	
Not Used	360	CST	Cost Analysis	O	1	
Not Used	370	PID	Product/Item Description	O	1	
Not Used	380	CUR	Currency	O	1	
Not Used	390	DTM	Date/Time/Period	O	2	
LOOP ID - N9					1000	
	400	N9	Reference Number	O	1	
	410	MSG	Message Text	O	1000	
LOOP ID - N1					200	
	420	N1	Name	O	1	
	430	N2	Additional Name Information	O	2	
	440	N3	Address Information	O	2	
	450	N4	Geographic Location	O	1	
Not Used	460	REF	Reference Numbers	O	12	
	470	PER	Administrative Communications Contact	O	3	
Not Used	480	FOB	F.O.B. Related Instructions	O	1	
	485	SCH	Line Item Schedule	O	200	
Not Used	490	TD1	Carrier Details (Quantity and Weight)	O	2	
	500	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	510	TD3	Carrier Details (Equipment)	O	12	
Not Used	520	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	530	PKG	Marking, Packaging, Loading	O	25	

Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
-------------	------------	------	--------------	---------	----------------	-----------------------

Must Use	010	CTT	Transaction Totals	M	1	n3
Must Use	015	AMT	Monetary Amount	M	1	
Must Use	020	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. If segment LIN is used, do not use LIN01.
2. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
3. Number of line items (CTT01) is the accumulation of the number of PO1 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 Code uniquely identifying a Transaction Set	M ID 3/3
			843 X12.8 Response to Request for Quotation	
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 <i>Use to transmit a unique number assigned by the originator of the transaction set. This number may be system generated.</i>	M AN 4/9

Segment: **BQR** Beginning Segment for Response to Request For Quotation
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a Response to Request for Quote Transaction Set and transmit identifying numbers and dates
Syntax Notes: 1 If BQR05 is present, then BQR04 is required.
Semantic Notes:
Comments:
Notes:

ASC X12 has been asked to add a data element to the BQR segment that will carry the security classification. We expect this data element to be available for use in the ASC X12 Version/Release 3050.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BQR01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	M ID 2/2
			00 Original <i>Use to indicate an original quote.</i>	
			01 Cancellation <i>Use to indicate the cancellation of a previously transmitted quote.</i>	
			02 Add <i>Use to indicate an amended quote that contains only additions to previously transmitted quote.</i>	
			03 Delete <i>Use to indicate an amended quote that contains only deletions to a previously transmitted quote.</i>	
			04 Change <i>Use to indicate an amended quote that contains a combination of additions and deletions to a previously transmitted quote. This code is also used to indicate data in a previously transmitted quote has changed, e.g., the unit price of an item. In effect, the old price is deleted and the new price is added.</i>	
			07 Duplicate <i>Use to indicate the re-transmission of a previously transmitted quote.</i>	
Must Use	BQR02	586	Request for Quote Reference Number Number assigned by the purchaser to identify his request for quote <i>Use to identify the unique number associated with the solicitation as identified in BQT02 of the 840 transaction set to which this transaction set is responding. If amendments to the solicitation have been issued, the solicitation number and the last amendment number, will be concatenated when receiving applications are designed to operate in this manner. Concatenate the number only with the prior agreement of the trading partner. In all other applications cite only the RFQ reference number here and use the 1/REF/050 segment (with code 2G cited in REF01) to carry an amendment number, if applicable.</i>	M AN 1/45
Must Use	BQR03	652	Request Quotation Control Date Date to be used for reference purposes in an RFQ and a response to RFQ. <i>Use to identify the date of a solicitation. If amendments to the solicitation</i>	M DT 6/6

Must Use	BQR04	374	<i>have been issued, cite the date of the last amendment.</i>	
			Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
			098	Bid (Effective)
			<i>Use to indicate the date of the bid.</i>	
Must Use	BQR05	373	Date	O DT 6/6
			Date (YYMMDD)	
Must Use	BQR06	379	Bid Type Response Code	O ID 2/2
			Code indicating the type of response to the request for bid or quote	
			<i>When BQR06 is code BW, DQ, or UQ use the 1/N9/290 loop to explain or specify exceptions to the solicitation.</i>	
			AB	Alternate Bid
				<i>Use to indicate a substitute product is being offered or other variations from the solicited item are being proposed. When this code is used, specific information must be provided in the 2/PO1/010 loop. If other exceptions are being taken, use code BW.</i>
			BI	Bid Without Exception
				<i>When this code is used, only the mandatory segments, required data elements, and segments to provide pricing, cost information, certifications, representations, or fill-in information are necessary.</i>
			BW	Bid With Exception (Request for Information)
				<i>When possible, exception should be provided within the transaction set, e.g., delivery exceptions in DTM, LDT, SDQ, or SCH segment, packaging exceptions in the PKG segment, etc. When not possible, use either the 1/N9/290 or 2/N9/400 loop to provide the exceptions.</i>
			DQ	Decline to Quote
				<i>Use to indicate that the responding party does not quote on the item(s) or services solicited.</i>
			UQ	Unable to Quote
				<i>Use to indicate that the responding party normally does quote on the items or services solicited but is unable to do so on the instant solicitation.</i>

Segment: **CUR** Currency
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR11 is present, then CUR10 is required.
- 4 If CUR12 is present, then CUR10 is required.
- 5 If CUR14 is present, then CUR13 is required.
- 6 If CUR15 is present, then CUR13 is required.
- 7 If CUR17 is present, then CUR16 is required.
- 8 If CUR18 is present, then CUR16 is required.
- 9 If CUR20 is present, then CUR19 is required.
- 10 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

Notes: *Use this 1/CUR/040 segment to indicate the currency in which the quote is being made, and in which the quoting party desires to be paid if awarded the procurement. The quote must be in U.S. dollars unless the solicitation authorized a quote in other than U.S. dollars. In that case, the quote must be in a currency authorized by the solicitation.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual SE Selling Party	M ID 2/2
Must Use	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified <i>Use the appropriate code to indicate the desired currency.</i>	M ID 3/3
Not Used	CUR03	280	Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O R 4/6
Not Used	CUR04	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O ID 2/2
Not Used	CUR05	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	O ID 3/3
Not Used	CUR06	669	Currency Market/Exchange Code Code identifying the market upon which the currency exchange rate is based	O ID 3/3
Not Used	CUR07	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X ID 3/3
Not Used	CUR08	373	Date Date (YYMMDD)	O DT 6/6
Not Used	CUR09	337	Time 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)	O TM 4/8
Not Used	CUR10	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X ID 3/3
Not Used	CUR11	373	Date	O DT 6/6

Not Used	CUR12	337	Date (YYMMDD) Time 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)	O	TM 4/8
Not Used	CUR13	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X	ID 3/3
Not Used	CUR14	373	Date Date (YYMMDD)	O	DT 6/6
Not Used	CUR15	337	Time 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)	O	TM 4/8
Not Used	CUR16	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X	ID 3/3
Not Used	CUR17	373	Date Date (YYMMDD)	O	DT 6/6
Not Used	CUR18	337	Time 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)	O	TM 4/8
Not Used	CUR19	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X	ID 3/3
Not Used	CUR20	373	Date Date (YYMMDD)	O	DT 6/6
Not Used	CUR21	337	Time 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)	O	TM 4/8

Segment: **REF** Reference Numbers
Position: 050
Loop:
Level: Heading
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:

1. Use this 1/REF/050 segment to identify the reference numbers that apply to all of the line items. When the reference number varies by line item, use 2/REF/100 segment to cite the number.

2. Must use at least one repetition citing code PR to indicate the quoting party's quotation number.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
			<i>When codes CT or W6 are used, one iteration of the 1/DTM/150 segment is REQUIRED. Use code 036 in DTM01 and provide the expiration date of the cited schedule or contract in DTM02.</i>	
		2G	Amendment	
			<i>Use only when receiving application does not concatenate the RFQ reference number and the amendment number, if applicable. If the receiving application concatenates the numbers, cite them both in BQR02.</i>	
		73	Statement of Work (SOW)	
			Description of a product or service to be procured under a contract; statement of requirements	
		97	Package Number	
			A serial number indicating unit shipped	
		AH	Agreement Number	
			<i>Use to indicate a Union Agreement number.</i>	
		BV	Purchase Order Line Item Identifier (Buyer)	
		C7	Contract Line Item Number	
		CH	Customer catalog number	
		CR	Customer Reference Number	
			<i>Use to indicate the internal number that the quoting party is assigning to the buying party.</i>	
		CT	Contract Number	
			<i>Use to indicate a contract other than a supply schedule from which the quoted item can be ordered. The expiration date must be cited in the 1/DTM/150 segment.</i>	
		DG	Drawing Number	
		IJ	Standard Industry Classification (SIC) Code	
			<i>Use only to indicate an exception is being taken to the Standard Industrial Classification (SIC) Code applicable to the solicitation.</i>	

IX	Item Number <i>Use to indicate a FSC special item number.</i>
K6	Purchase Description
K7	Paragraph Number
KS	Solicitation A discreet number assigned by the purchasing activity to differentiate between different solicitations
LT	Lot Number
P4	Project Code <i>Use to indicate the project number applicable to this solicitation.</i>
PR	Price Quote Number <i>Must use to indicate the quoting party's quotation number. Each change to a quote should be assigned a new number or at least have an extension to the original number, e.g., if the original number is 12345, changes can be identified by -1, -2, etc.</i>
QC	Product Specification Document Number Model designation of replacement component
RQ	Purchase Requisition No. <i>Use, as appropriate, to identify an internal number such as a requisition, purchase request or purchase request order number. When citing a purchase request number, concatenate its line item number with the purchase request number if it is necessary to transmit both numbers.</i>
RS	Returnable Container Serial Number
S2	Military Specification Number (MILSPEC)
S3	Specification Number
TN	Transaction Reference Number <i>Use to indicate a unique reference number of a related transaction set (e.g., an 841 transaction set carrying a related technical specification or drawing, or 805,251,etc.). Each transaction set has a unique number. In the case of the 841 transaction set, that number is carried in SP102. Cite the date of the transaction set in the DTM segment using code 368 in DTM01.</i>
TP	Test Specification Number
W2	Weapon System Number Identifies a weapon system
W6	Federal Supply Schedule Number Identifies an item with a two-digit group number, two-digit part number, and one-character section letter <i>Use to indicate a Federal Supply Schedule in which the quoted item can be found. The expiration date MUST be noted in the 1/DTM/150 segment. When used, and if known, concatenate the contract number for the cited FSS.</i>
ZF	Contractor Establishment Code (CEC) Government identifier to designate a contractor; it is nine characters, eight numeric and a final alpha
ZZ	Mutually Defined <i>Use to indicate another type of reference number.</i>

When used, identify the nature of the number 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.		
REF03	352	Description	X	AN 1/80
		A free-form description to clarify the related data elements and their content		
		<i>1. Use to identify additional information related to the number of cited in REF02.</i>		
		<i>2. Use is discouraged.</i>		

Segment: **FOB** F.O.B. Related Instructions
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:

- 1 If FOB03 is present, then FOB02 is required.
- 2 If FOB04 is present, then FOB05 is required.
- 3 If FOB07 is present, then FOB06 is required.
- 4 If FOB08 is present, then FOB09 is required.

Semantic Notes:

- 1 FOB01 indicates which party will pay the carrier.
- 2 FOB02 is the code specifying transportation responsibility location.
- 3 FOB06 is the code specifying the title passage location.
- 4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Notes:

1. Use this 1/FOB/080 segment if the FOB point and the acceptance location apply to all of the line items. When the FOB points or acceptance locations vary by line item, use the 2/FOB/180 segment.

2. Use this segment only if the proposed FOB point is different than the FOB point specified in the solicitation.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges	M ID 2/2
			BP Paid by Buyer The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location) <i>Use to indicate that the FOB point is origin.</i>	
			PE Prepaid and Summary Bill <i>Use to indicate that transportation costs are proposed to be prepaid and added to the invoice.</i>	
			PP Prepaid (by Seller) <i>Use to indicate that the FOB point is destination.</i>	
	FOB02	309	Location Qualifier Code identifying type of location <i>Use to indicate the FOB point.</i>	X ID 1/2
			DE Destination (Shipping)	
			FV Free Alongside Vessel (Free On Board [F.O.B.] Point)	
			IT Intermediate FOB Point A location indicating the point of destination is not the origin or final destination but rather at some other point <i>Use to indicate a freight forwarder, If necessary, cite the address of the freight forwarder in the N1 loop using code IC in N101.</i>	
			OR Origin (Shipping Point)	
			ZZ Mutually Defined <i>Use to indicate that the FOB point is neither origin nor destination. When used, cite the actual FOB point in FOB03. If the actual FOB point is an address or</i>	

geographical location, use in conjunction with one iteration of the appropriate N1 loop, using code KX in N101.

	FOB03	352	Description A free-form description to clarify the related data elements and their content <i>1. Use to identify the FOB point only when FOB02 is code ZZ.</i> <i>2. Use is discouraged.</i>	O	AN 1/80
Not Used	FOB04	334	Transportation Terms Qualifier Code Code identifying the source of the transportation terms	O	ID 2/2
Not Used	FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility	X	ID 3/3
Not Used	FOB06	309	Location Qualifier Code identifying type of location	X	ID 1/2
Not Used	FOB07	352	Description A free-form description to clarify the related data elements and their content	O	AN 1/80
Not Used	FOB08	54	Risk of Loss Qualifier Code specifying where responsibility for risk of loss passes	O	ID 2/2
Not Used	FOB09	352	Description A free-form description to clarify the related data elements and their content	X	AN 1/80

Segment: **SAC** Service, Promotion, Allowance, or Charge Information

Position: 120

Loop:

Level: Heading

Usage: Optional

Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.

- Semantic Notes:
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC10 alone is used to indicate a specific quantity which could be a dollar amount, that is applicable to service, promotion, allowance or charge. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 4 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 5 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.

- Comments:
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: *Use this 1/SAC/120 segment to provide prices for services identified in the solicitation when those services apply to all of the line items. If the services vary by line item, use the 2/SAC/130 segment.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	SAC01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		<i>Use to indicate whether or not there is a charge for the service specified in the solicitation.</i>	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	SAC02	1300 Service, Promotion, Allowance, or Charge Code	X ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		<i>Use any code.</i>	
		Refer to 003040 Data Element Dictionary for acceptable code values.	
Not Used	SAC03	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	

Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge	X	AN 1/10
	SAC05	610	Amount Monetary amount	O	N2 1/15
Not Used	SAC06	378	Allowance/ Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated	X	ID 1/1
Not Used	SAC07	332	Allowance or Charge Percent Allowance or charge expressed as a percent.	X	R 1/6
Not Used	SAC08	359	Allowance or Charge Rate Allowance or Charge Rate per Unit	O	R 1/9
	SAC09	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>A conversion table may be required to convert agency codes to codes used by ASC X12.</i> Refer to 003040 Data Element Dictionary for acceptable code values.	X	ID 2/2
	SAC10	339	Allowance or Charge Quantity Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity <i>Use to indicate the quantity to which the amount in SAC05 applies. SAC10/11 can be used together to specify a quantity range to which the amount in SAC05 applies.</i>	X	R 1/10
	SAC11	339	Allowance or Charge Quantity Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity	O	R 1/10
Not Used	SAC12	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge	O	ID 2/2
Not Used	SAC13	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X	AN 1/30
Not Used	SAC14	770	Option Number A unique number identifying available promotion or allowance options when more than one is offered	O	AN 1/20
Not Used	SAC15	352	Description A free-form description to clarify the related data elements and their content	O	AN 1/80

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To specify terms of sale
Syntax Notes:

- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes:

- 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

- 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Notes:

1. Only use this 1/ITD/130 segment to identify discount terms that apply to all of the line items. If the discount varies by line item use the 2/ITD/150 segment.
2. Payment method was provided at time of registration. Changes to that data must be made by submitted through a registration data change using the 838 transaction set.

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
ITD01	336	Terms Type Code	O ID 2/2
		Code identifying type of payment terms	
		<i>Use to indicate that fast payment is requested.</i>	
	21	Fast Pay	
		Code indicating that an invoice is subject to accelerated payment	
ITD02	333	Terms Basis Date Code	O ID 1/2
		Code identifying the beginning of the terms period	
		<i>Use any code.</i>	
		Refer to 003040 Data Element Dictionary for acceptable code values.	
ITD03	338	Terms Discount Percent	O R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	
ITD04	370	Terms Discount Due Date	X DT 6/6
		Date payment is due if discount is to be earned	
ITD05	351	Terms Discount Days Due	X N0 1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned	
ITD06	446	Terms Net Due Date	O DT 6/6
		Date when total invoice amount becomes due	
ITD07	386	Terms Net Days	O N0 1/3
		Number of days until total invoice amount is due (discount not applicable)	
ITD08	362	Terms Discount Amount	O N2 1/10
		Total amount of terms discount	
		<i>Use to prevent differences that can result from rounding off methods.</i>	
ITD09	388	Terms Deferred Due Date	O DT 6/6
		Date deferred payment or percent of invoice payable is due	
ITD10	389	Deferred Amount Due	X N2 1/10
		Deferred amount due for payment	
ITD11	342	Percent of Invoice Payable	X R 1/5

Not Used	ITD12	352	Amount of invoice payable expressed in percent Description	<input type="radio"/> AN 1/80
	ITD13	765	A free-form description to clarify the related data elements and their content Day of Month	<input checked="" type="radio"/> N0 1/2
Not Used	ITD14	107	The numeric value of the day of the month between 1 and the maximum day of the month being referenced Payment Method Code	<input type="radio"/> ID 1/1
	ITD15	954	Code identifying type of payment procedures Percent	<input type="radio"/> R 1/10
			Percentage expressed as a decimal	

Segment: **DIS** Discount Detail
Position: 140
Loop:
Level: Heading
Usage: Optional
Max Use: 20
Purpose: To specify the exact type and terms of various discount information
Syntax Notes:
Semantic Notes:
Comments:
Notes:

Use this 1/DIS/140 segment to provide promotional quantity or volume discount information that applies to all of the line items. Use the 2/DIS/160 segment if the promotional discount varies by line item.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DIS01	653	Discount Terms Type Code Code to define the units in which the discount will be determined, i.e., dollars, case, truckload, etc. Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 3/3
Must Use	DIS02	654	Discount Base Qualifier Code to define unit of discount, i.e., dollars, cases, alternate products, etc. Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 2/2
Must Use	DIS03	655	Discount Base Value A multiplier amount used in conjunction with discount base qualifier to determine the value of the discount	M R 1/10
Must Use	DIS04	656	Discount Control Limit Qualifier Code to define the units of the limits for determining discount Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 2/3
Must Use	DIS05	657	Discount Control Limit Amount or time minimum for application of the discount.	M NO 1/10
	DIS06	658	Upper Discount Control Limit Amount or time maximum for application of the discount.	O NO 1/10

Segment: **DTM** Date/Time Reference
Position: 150
Loop:
Level: Heading
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. Use this 1/DTM/150 segment to specify a different delivery date than the date specified in the solicitation when it is expressed as an actual date. If the delivery schedule is expressed as a set period of time after the occurrence of some event, use the LDT segment. If the LDT segment is used, do not use this segment.
2. Also use this segment to quote the expiration date or to provide the date of a FSS or other contract.
3. Use this segment to provide dates that apply to all of the line items. When the dates vary by line item use the 2/DTM/200 segment.
4. Use this segment to identify exceptions being taken to the requirements contained in the solicitation or when information related to the quote is being provided.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		036 Expiration	
		Date coverage expires	
		<i>Use to indicate the expiration data of a FSS or contract. This relates to information provided in the 1/REF/050 segment specifically for codes CT and W6.</i>	
		037 Ship Not Before	
		063 Do Not Deliver After	
		064 Do Not Deliver Before	
		065 1st Schedule Delivery	
		066 1st Schedule Ship	
		069 Promised for Delivery	
		<i>Use to indicate a delivery date that is different than the date specified in the solicitation.</i>	
		077 Requested for Delivery (Week of)	
		<i>Use to indicate the beginning date of the week.</i>	
		150 Service Period Start	
		<i>Use to indicate the performance period for a service.</i>	
		151 Service Period End	
		<i>Use to indicate the performance period for a service.</i>	
		174 Month Ending	
		276 Contract Start	
		The start date for a contract	
		279 Contract Completion	

		368	The finish date for a contract Submittal Date an item was submitted to a customer <i>Use to indicate the date of the reference transaction set when the 1/REF/050 segment contains code TN in REF01.</i>		
		373	Order Start		
		374	Order End Point after which data can no longer be used (or becomes invalid for use)		
Must Use	DTM02	373	Date Date (YYMMDD)	X	DT 6/6
	DTM03	337	Time 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) <i>Specify time only in the HHMM format.</i>	X	TM 4/8
	DTM04	623	Time Code 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 <i>Use only when DTM03 is used to express a time.</i> Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
	DTM05	624	Century The first two characters in the designation of the year (CCYY)	O	N0 2/2
Not Used	DTM06	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format	X	ID 2/3
Not Used	DTM07	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times	X	AN 1/35

Segment: **LDT** Lead Time
Position: 160
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify lead time for availability of products and services
Syntax Notes:
Semantic Notes: 1 LDT04 is the effective date of lead time information.
Comments: 1 LDT02 is the quantity of unit of time periods.
Notes:

1. Use this 1/LDT/160 segment to specify a delivery schedule that is expressed as a period of time from a stated event, e.g., receipt of the order. The previous DTM segment is used when the delivery date is expressed as an actual date. If the DTM segment is used, this segment is not used.

2. Also use this segment to identify the length of the quote acceptance period allowed by the bidding party.

3. Use this segment when the quote delivery schedule is a specified period of time after the occurrence of some event and it applies to all of the line items. If the delivery schedule varies by line item use the 2/LDT/210 segment.

4. Use this segment to identify exceptions being taken to the requirements contained in the solicitation or when information related to the quote is being provided.

Data Element Summary

	Ref.	Data			
	Des.	Element	Name	Attributes	
Must Use	LDT01	345	Lead Time Code	M ID 2/2	
			Code indicating the time range		
			<i>A request has been submitted to ASC X12 to add codes for from date of award to date of delivery and from date of award to midpoint of effort. We expect these codes will be available for use in ASC X12 version/release 3050.</i>		
			AA	From date of PO receipt to sample ready	
			AD	From date of sample approval to first product shipment	
			AE	From date of PO receipt to shipment	
			AF	From date of PO receipt to delivery	
			AH	From Date of Receipt of First Article to First Article Approval	
			AT	From Bid Opening to Expiration of Bid	
				<i>Use to indicate the quote acceptance period allowed by the bidder with the quote opening date as basis.</i>	
			AU	From Required-By Date to Expiration Date	
				<i>Use to indicate the quote acceptance period allowed by the bidder with the "quote received by" date as the basis.</i>	
			AZ	From Date of Receipt of Item to Date of Approval of Item	
Must Use	LDT02	380	Quantity	M R 1/15	
			Numeric value of quantity		
Must Use	LDT03	344	Unit of Time Period or Interval	M ID 2/2	
			Code indicating the time period or interval		
			CY	Calendar Year	
			DA	Calendar Days	
			KK	Maximum Calendar Days	

Use to indicate a flexible time period, e.g., X number of days or less.

MO	Month
QY	Quarter of a Year
SA	Semiannual
WK	Weeks

LDT04

373

Date

O DT 6/6

Date (YYMMDD)

Use, as applicable, to indicate the effective date of the lead time. For example delivery will be in 20 days, effective June 1, 1994.

Segment:	MEA Measurements
Position:	200
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required. 2 If MEA03 is present, then MEA04 is required. 3 If MEA05 is present, then MEA04 is required. 4 If MEA06 is present, then MEA04 is required. 5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required. 6 Only one of MEA08 or MEA03 may be present.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:	<p>1. Use this 1/MEA/200 segment to provide measurements that apply to all the line items. When the measurements vary by line item, use 2/MEA/049 segment.</p> <p>2. Use this segment to identify exceptions being taken to the requirements contained in the solicitation or when information related to the quote is being provided.</p>

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
MEA01	737	Measurement Reference ID Code	O ID 2/2
		Code identifying the broad category to which a measurement applies	
		<i>Use any code.</i>	
		CT	Counts
			<i>Use to indicate variations in quantity when expressed as a discrete quantity. Use MEA05/06 to provide the quantity over and under.</i>
		DE	Defects
			<i>Use to indicate a warranty is required. MEA03/04 will identify the length of the warranty.</i>
		PM	Permitted
			The condition or activity approved by the appropriate regulatory agency
			<i>Use to indicate that measurement values are applicable to the minimum and maximum quantity or dollar value permitted per order against an indefinite instrument. Use MEA05/06 to cite the minimum and maximum.</i>
MEA02	738	Measurement Qualifier	O ID 1/3
		Code identifying a specific product or process characteristic to which a measurement applies	
		<i>Use any code.</i>	
		PO	Percent of Order (-, +)
			Expression of allowable variance of order expressed either as absolute (for example 92% to 110%) or relative percent (for example - 8% to + 10%)
			<i>Use to indicate the percent variation in quantity permitted for the order. Use MEA05/06 to indicate the percent over and under.</i>

TT Time

*Use to indicate the length of a warranty period.
Specify the number of day, weeks, months, or years in
MEA03 and the time period in MEA04-1.*

	MEA03	739	Measurement Value	X	R 1/10
			The value of the measurement		
	MEA04	C001	Composite Unit of Measure	X	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
Must Use	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>1. Use any code.</i>		
			<i>2. A conversion table may be required to convert Agency codes to the codes used by ASC X12.</i>		
			Refer to 003040 Data Element Dictionary for acceptable code values.		
Not Used	C00102	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00103	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00104	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00105	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00106	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00107	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		
Not Used	C00108	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00109	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00110	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00111	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00112	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00113	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00114	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
	MEA05	740	Range Minimum	X	R 1/10
			The value specifying the minimum of the measurement range		
			<i>1. When MEA01 is code CT or MEA02 is code PO, use to specify the variation in quantity under.</i>		
			<i>2. When MEA01 is code PM, use to specify the minimum quantity or dollar</i>		

	MEA06	741	<i>value of each order that can be placed against an indefinite instrument.</i> Range Maximum X R 1/10 The value specifying the maximum of the measurement range <i>1. When MEA01 is code CT or MEA02 is code PO, use to specify the variation over.</i> <i>2. When MEA01 is code PM, use to specify the maximum quantity or dollar value for an order that can be placed against an indefinite instrument.</i>
Not Used	MEA07	935	Measurement Significance Code O ID 2/2 Code used to benchmark, qualify or further define a measurement value
Not Used	MEA08	936	Measurement Attribute Code X ID 2/2 Code used to express an attribute response when a numeric measurement value cannot be determined
Not Used	MEA09	752	Surface/Layer/Position Code O ID 2/2 Code indicating the product surface, layer or position that is being described
Not Used	MEA10	1373	Measurement Method or Device O ID 2/4 The method or device used to record the measurement

Segment: **PWK** Paperwork
Position: 210
Loop:
Level: Heading
Usage: Optional
Max Use: 25
Purpose: To identify the type and transmission of paperwork or supporting information
Syntax Notes: 1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:
Comments: 1 PWK05 and PWK06 may be used to identify the addressee by a code number.
2 PWK07 may be used to indicate special information to be shown on the specified report.
3 PWK08 may be used to indicate action pertaining to a report.
Notes: *Use this 1/PWK/210 segment to indicate either paperwork required in the solicitation (PWK segment in the 840), or other paperwork is being provided by means other than within this transaction set. If the paperwork is applicable to a specific line item, use the 2/PWK/070 segment.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	PWK01	755 Report Type Code	M ID 2/2
		Code indicating the title or contents of a document, report or supporting item	
		<i>A request has been submitted to ASC X12 to add codes for: Certified Cost and Price Data, and Attachment. We expect these codes to be available for use in ASC X12 Version/Release 3050. Since these codes are not essential to small purchases, no attempt has been made to use surrogate codes.</i>	
		24 Non-Contractual Plan	
		<i>A request has been submitted to ASC X12 to add a code for Union Agreement. We expect this code to be available for use in ASC X12 Version/Release 3050. In the meantime, use this code for Union Agreement.</i>	
		25 Purchase Plan	
		<i>Use to indicate the seller is providing a make or buy plan.</i>	
		35 Subcontractor Plan	
		C1 Cost Data Summary	
		<i>Use to indicate cost and price data is being provided.</i>	
		DW Drawing(s)	
		IT Certified Inspection and Test Results	
		MS Material Safety Data Sheet	
		SD Support Data for a Request for Quote	
		<i>Use to indicate that supporting technical documentation, e.g., technical proposal, etc. are being provided.</i>	
		US "BUY AMERICA" Certification of Compliance	
PWK02	756	Report Transmission Code	O ID 2/2
		Code defining timing, transmission method or format by which reports are to be sent	
		<i>While any listed code can be used, code EL is preferred when the indicated paperwork can be provided electronically using one of the ASC X12 transaction sets specifically designed for the purpose.</i>	
		BM By Mail	
		EL Electronically Only	

FX By Fax
TX Text

A request has been submitted to ASC X12 to add a code for courier. We expect this code to be available for use in ASC X12 Version 3050. In the meantime, use this code.

WS With Shipment (With Package)

Not Used	PWK03	757	Report Copies Needed	O	N0 1/2
			The number of copies of a report that should be sent to the addressee		
Not Used	PWK04	98	Entity Identifier Code	O	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
Not Used	PWK05	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
Not Used	PWK06	67	Identification Code	X	AN 2/17
			Code identifying a party or other code		
	PWK07	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
			<i>1. Use only if necessary to provide additional information or instructions related to a specific paperwork item.</i>		
			<i>2. Use is discouraged.</i>		
	PWK08	C002	Actions Indicated	O	
			Actions to be performed on the piece of paperwork identified		
Must Use	C00201	704	Paperwork/Report Action Code	M	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
		3	Complete		
			Use the information provided, add additional required data, distribute as indicated		
			<i>Use to indicate that the specified paperwork is being provided in a separate medium or transaction set, but is a part of the quote. Data maintenance has been submitted to ASC X12 asking for a code for provided. If approved, that code will be available for use in ASC X12 Version/Release 3050. In the meantime, use this code.</i>		
Not Used	C00202	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
Not Used	C00203	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
Not Used	C00204	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
Not Used	C00205	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		

Segment:	PKG Marking, Packaging, Loading
Position:	220
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	25
Purpose:	To describe marking, packaging, loading, and unloading requirements
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of PKG04 PKG05 or PKG06 is required. 2 If PKG04 is present, then PKG01 is required. 3 If PKG05 is present, then PKG01 is required.
Semantic Notes:	1 PKG04 should be used for industry-specific packaging description codes.
Comments:	<ol style="list-style-type: none"> 1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc. 2 If PKG01 = "F", then PKG05 is used. If PKG01 = "S", then PKG04 is used. If PKG01 = "X", then both PKG04 and PKG05 are used. 3 Use PKG03 to indicate the organization that publishes the code list being referred to. 4 Special marking or tagging data can be given in PKG05 (description).
Notes:	<p><i>1. Use this 1/PKG/220 segment when packaging is different from the requested packaging in the solicitation or if packaging requirements were at the bidders option.</i></p> <p><i>2. A request has been submitted to ASC X12 to add MIL-STD 2073-2C codes to ASC X12 standards. If approved, those codes will be available for use in ASC X12 Version/Release 3050 and they will be carried in PKG02/03/04. Until those codes are available, packaging information can be transmitted as a MIL-STD 2073-2C code string (as is currently done in a paper instrument) in PKG05.</i></p> <p><i>3. Use this 1/PKG/220 segment if the packaging requirements apply to all of the line items. If the packaging requirements vary by line item, use the 2/PKG/080 segment to provide the information.</i></p>

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
PKG01	349	Item Description Type	X ID 1/1
		Code indicating the format of a description	
		F Free-form	
		<i>Use to indicate that the packaging information is provided as free form text.</i>	
PKG02	753	Packaging Characteristic Code	O ID 1/5
		Code specifying the marking, packaging, loading and related characteristics being described	
		<i>A request has been submitted to ASC X12 to add the MIL-STD 2073 2-C packaging characteristic codes e.g., CD- Cleaning/Drying Procedures, CT - Cushioning Thickness, etc. We expect those codes will be available for use in ASC X12 Version/Release 3050. In the meantime, use code 65 when providing the MIL-STD 2073-2C code string in PKG05.</i>	
		65 Core Characteristics	
		<i>Use to indicate MIL-STD 2073-2C packaging codes. Cite the code string in PKG05.</i>	
PKG03	559	Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		DD Department of Defense	
		Responsible for Military Specification	
		GS General Services Administration (GSA)	
		Responsible for Federal Specification	

ZZ

Mutually Defined

Use to indicate the Federal Government other than the Department of Defense or General Services Administration. Data maintenance has been submitted to ASC X12. If approved a code for Federal Government will be available in ASC X12 Version/Release 3050.

Not Used	PKG04	754	Packaging Description Code	X	AN 1/7
			A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product		
	PKG05	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			<i>Use to identify a string of MIL-STD-2073-2C packaging codes or to identify packaging information in free form text. The MIL-STD-2073-2C code string uses a positional and sequential system. Coded data must appear in the sequence and number of positions specified in Appendix F of MIL-STD-2073-1. Zeros shall be inserted in the code string for data that is not being provided. A comma(,) will be used as a delimiter between the data in the code string. Use of this data element is discouraged.</i>		
Not Used	PKG06	400	Unit Load Option Code	X	ID 2/2
			Code identifying loading or unloading a shipment		

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)

Position: 240

Loop:

Level: Heading

Usage: Optional

Max Use: 12

Purpose: To specify the carrier and sequence of routing and provide transit time information

Syntax Notes: 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.

2 If TD502 is present, then TD503 is required.

3 If TD507 is present, then TD508 is required.

4 If TD510 is present, then TD511 is required.

Semantic Notes:

Comments: 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Notes: 1. Use this 1/TD5/240 segment if the bidder is proposing a different transportation method than specified in the solicitation.

2. Use this segment if the carrier details apply to all of the line items. If the carrier details vary by line item, use the 2/TD5/250 segment.

Data Element Summary

Ref.	Data			
Des.	Element	Name	Attributes	
Not Used	TD501	133 Routing Sequence Code	O	ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement		
Not Used	TD502	66 Identification Code Qualifier	X	ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
Not Used	TD503	67 Identification Code	X	AN 2/17
		Code identifying a party or other code		
Must Use	TD504	91 Transportation Method/Type Code	X	ID 1/2
		Code specifying the method or type of transportation for the shipment		
		1. Use any code.		
		2. A conversion table may be required to convert Agency codes to the codes used by ASC X12.		
		Refer to 003040 Data Element Dictionary for acceptable code values.		
Not Used	TD505	387 Routing	X	AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		
Not Used	TD506	368 Shipment/Order Status Code	X	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		
Not Used	TD507	309 Location Qualifier	O	ID 1/2
		Code identifying type of location		
Not Used	TD508	310 Location Identifier	X	AN 1/30
		Code which identifies a specific location		
Not Used	TD509	731 Transit Direction Code	O	ID 2/2
		The point of origin and point of direction		
Not Used	TD510	732 Transit Time Direction Qualifier	O	ID 2/2
		Code specifying the value of time used to measure the transit time		
Not Used	TD511	733 Transit Time	X	R 1/4
		The numeric amount of transit time		

Not Used	TD512	284	Service Level Code Code defining service
----------	-------	-----	---

X	ID 2/2
---	--------

Segment: **TD4** Carrier Details (Special Handling or Hazardous Materials or Both)
 Position: 260
 Loop:
 Level: Heading
 Usage: Optional
 Max Use: 5
 Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

Syntax Notes: 1 At least one of TD401 TD402 or TD404 is required.
 2 If TD402 is present, then TD403 is required.

Semantic Notes:

Comments:

Notes: *Use this 1/TD4/260 segment to provide hazardous material information that applies to all of the line items. If the hazardous material information varies by line item, use the 2/TD4/270 segment.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Not Used	TD401	152 Special Handling Code	X	ID 2/3
		Code specifying special transportation handling instructions		
	TD402	208 Hazardous Material Code Qualifier	X	ID 1/1
		Code which qualifies the Hazardous Material Class Code (209)		
		<i>A request for the following codes has been submitted to ASC X12: Storage Compatibility Group and Hazard Class or Division. We expect these codes to be available in ASC X12 Version/Release 3050.</i>		
		D Hazardous Materials ID, DOT		
	TD403	209 Hazardous Material Class Code	X	AN 2/4
		Code specifying the kind of hazard for a material		
	TD404	352 Description	X	AN 1/80
		A free-form description to clarify the related data elements and their content		
		<i>Use is discouraged.</i>		

Segment:	N9 Reference Number
Position:	290
Loop:	N9 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying numbers and descriptive information as specified by the reference number qualifier
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of N902 or N903 is required. 2 If N906 is present, then N905 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 N906 reflects the time zone which the time reflects.
Comments:	
Notes:	

1. Use this 1/N9/290 loop to provide certifications, representations and fill-in information, as required in the solicitation (RRA segment) 840 transaction set, or to provide explanation when BQR6 is either code DQ or UQ, or to specify exceptions (BQR06 is code BW) being take to some item in the solicitation that cannot be provided elsewhere in the transaction set.

2. Use this loop to identify the clause to which the bidder is responding with a certification, representation or fill-in information. This loop can also be used to cite the paragraph number or special instruction number in the solicitation that requires the bidder to provide information, or to cite the segment sequence number from the 840 request for quote transaction set to which the bidder is taking exception.

3. Use this loop when required information is general in nature and not applicable to a line item. To provide information applicable to a line item, use the 2/N9/400 loop.

4. In all of the above circumstances use the N9 segment to indicate the type of data being provided and the MSG to actually provide it.

5. When an ALTERNATE(s) is/are relevant to a cited clause, the ALTERNATE alpha or numeric designation will be concatenate with the applicable clause number in N902.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	N901	128 Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		<i>A request has been submitted to ASC X12 to add codes for circular number, which will be used to specify an OMB circular number and Federal Information Resources Management Regulation. We expect these codes to be available for use in ASC X12 Version/Release 3050.</i>	
	55	Sequence Number	
		<i>When BQR06 is code DQ or UQ, use to indicate an explanation is being provided in the following MSG segment. Insert the word "Explanation" in N903 when using this code.</i>	
	73	Statement of Work (SOW)	
		Description of a product or service to be procured under a contract; statement of requirements	
	DD	Document Identification Code	
		<i>Use to indicate a Department of Labor wage determination.</i>	
	KR	Response to a Request for Quotation Reference	
		A discrete number assigned for identification purpose to a response to a request for quotation	

Use to indicate fill-in information is being provided in the following MSG Segment as required by the number cited in N902.

KT

Request for Quotation Reference

A discrete number assigned for identification purposes to a request for quotation

When BQR06 is code BW, use to indicate exceptions are being taken to items in the solicitation. When used, insert the word "Exception" in N903 and state the exception in the following MSG segment.

KW

Certification

A number, taken from an acquisition regulation, which represents a specific certification that must be made by a prospective vendor before a contract or order can be placed with that vendor

Use to indicate a certification is being provided in the following MSG segment as required by the number cited in N902.

KX

Representation

A number, taken from an acquisition regulation, which represents a specific representation that must be made by a prospective vendor before a contract or order can be placed with that vendor

Use to indicate a representation is being provided in the following MSG segment as required by the number cited in N902.

L1

Letters or Notes

Use to indicate general information, comments or notes. When used, insert the word "NOTE" in N903 and provide the information in the following MSG segment.

N902	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.

N903	369	Free-form Description	X	AN 1/45
------	-----	-----------------------	---	---------

Free-form descriptive text

N904	373	Date	O	DT 6/6
------	-----	------	---	--------

Date (YYMMDD)

If the date of a clause requiring a certification, representation or fill-in information was specified in the solicitation and the clause is listed in N902, repeat the date in this data element. When the date is used it will be in the YYMMDD format so a clause date should always end with the numeric 01 indicating the first day of the month. This rule is necessary to comply with ASC X12 syntax. Use also for the date of a department of labor wage determination.

Not Used	N905	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	N906	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

Segment: **MSG** Message Text

Position: 300

Loop: N9 Optional

Level: Heading

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 2/MSG/410 segment to provide information required by the cited number in N902; to provide general comments, i.e., notes N901 is code L1; to provide an explanation when N901 is code 55; or to specify the exception being taken to some item in the solicitation (N901 is code KT).*

2. Use is discouraged.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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: 310

Loop: N1 Optional

Level: Heading

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: *1. Whenever possible, address information should be transmitted using code value contained in a combination of the N101, N103/04 data elements. Use N102 and the N2-N4 segments only when it is necessary to transmit the full address. For example, if a vendor can be identified by a DUNS number, it is not necessary to transmit the vendors full address since the relationship between the DUNS number and the vendors address can be established by accessing a data base in which the information is stored, having been put there at the time the vendor electronically registered as a federal government trading partner.*
2. Use this 1/N1/310 loop to identify organizations or people that apply to all of the line items in the quote, or that are not applicable at the line item level (e.g., quoting party, etc.). When the addresses vary by line item, or when the quote contains only one line item, use the 2/N1/420 loop.
3. Work will be assumed to be performed at the location qualified by code SE in N101 unless either code MP or SV is used in a subsequent iteration of the N1 loop.
4. At least 2 iterations of this segment is required using codes BY and SE in N101.

Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
		28	Subcontractor	
			<i>Use this code only if the solicitation included a Contract Security Classification Specification (DD Form 254) and the bidder is to provide the name and address of a subcontractor.</i>	
		31	Postal Mailing Address	
			<i>Use only when an actual mailing address is required, and is different from the address provided for any other qualifier code. Do not use if another qualifier code can be used to pass this address. When used, cite the name of the party in N102 and N2 segment, if necessary.</i>	
		88	Approver	
			Manufacturer's representative approving claim for payment	
		AE	Additional Delivery Address	
			<i>Use to indicate a ship-in-place location.</i>	
		AG	Agent/Agency	

	<i>Use to indicate the responding organization is bidding on behalf of an organization named in a previous iteration of the N1 loop.</i>
BY	Buying Party (Purchaser)
	<i>Use to indicate the purchasing or soliciting office or activity.</i>
CP	Party to Receive Cert. of Compliance
	<i>Use only when the address is different from the purchasing or soliciting office or activity.</i>
IC	Intermediate Consignee
	<i>Use to indicate a freight forwarder.</i>
KX	Free on Board Point
	<i>Use to indicate another FOB point when it has been described by a specific address rather than as a code indicating either origin or destination.</i>
KY	Technical Office
	<i>Use to identify the technical office that has cognizance over the technical portion of the solicitation, if different than the office originating the solicitation.</i>
L1	Inspection Location
	Place where the item was viewed or inspected
	<i>Used to identify the inspection location when it has to be described as an address rather than a location such as origin or destination.</i>
MF	Manufacturer of Goods
MP	Manufacturing Plant
	<i>Use to indicate the manufacturing facility when it is different from the contractor or the contractor's mailing address.</i>
P1	Preparer
	The firm, organization, or individual who determines the tax liability from information supplied by the taxpayer
RI	Remit To
	<i>Use to indicate the place to send remittance when it is a choice from among more than one remit to addresses already on file. When used, this address must coincide with an address previously placed on file as part of the registration process. Do not use when payment is to be made to a single address which is already on file as a part of the registration process.</i>
SE	Selling Party
SV	Service Performance Site
	When services are contracted for, this describes the organization for whom or location address at which those services will be performed
	<i>Use to indicate a location where a service, e.g., grass cutting, will be performed, if other than at the selling party's address.</i>
Z7	Mark-for Party
	The party for whom the needed material is intended
	<i>Use, when applicable, only when the inclusion of this address is necessary to prepare a quote. Otherwise, when applicable, include in the resulting purchase order.</i>

ZZ

Mutually Defined

Use to indicate the acceptance location when it cannot be described using a point such as origin or destination. Data maintenance has been submitted to ASC X12 asking for a code for Acceptance Point. If approved, the code will be available in ASC X12 Version/Release 3050.

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. Use, when applicable, to identify the named party.

2. A request has been submitted to ASC X12 to add a code for Contractor Establishment Code. We expect this code to be available for use in the ASC X12 Version/Release 3050.

3. While Federal EDI will use the DUNS number, other numbers may be required for a period of transition in order to cross-reference existing data bases with new procurement action.

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

Use of the DUNS or DUNS+4 is preferred over any other coded number to identify a named party. Use of this code or code 9 is REQUIRED when N101 is code SE.

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

Use of the DUNS or DUNS+4 is preferred over any other coded number to identify a named party. Use of this code or code 1 is REQUIRED when N101 is code SE.

10 Department of Defense Activity Address Code (DODAAC)

Use to indicate a DoD or civilian agency Activity Address Code.

33 Commercial and Government Entity (CAGE)

Use to identify vendors with CAGE codes.

A2 Military Assistance Program Address Code (MAPAC)

Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity

Use to identify a MAPAC address.

FA Facility Identification

Use to identify a vendor facility that cannot be identified by a CAGE code or DUNS number.

N104 67 Identification Code X AN 2/17

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:	320
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify additional names or those longer than 35 characters in length
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	<i>This segment is not necessary when the cited party can be identified by a code value in N101/03/04.</i>

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: 330
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes:

This segment is not necessary when the cited party can be identified by a code value in N101/03/04.

Data Element Summary

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

Segment: **N4** Geographic Location
Position: 340
Loop: N1 Optional
Level: Heading
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 is not necessary when the cited party can be identified by a code value in N101/03/04.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
N401	19	City Name		O AN 2/30
		Free-form text for city name		
N402	156	State or Province Code		O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency		
N403	116	Postal Code		O ID 3/9
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	26	Country Code		O ID 2/3
		Code identifying the country		
		<i>A conversion table may be required to convert Agency codes to the codes used by ASC X12.</i>		
Not Used	N405	309	Location Qualifier	X ID 1/2
			Code identifying type of location	
Not Used	N406	310	Location Identifier	O AN 1/30
			Code which identifies a specific location	

Segment: REF Reference Numbers
Position: 350
Loop: N1 Optional
Level: Heading
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:

This segment is required in all quotes and amendments to quotes and is used in conjunction with N101 code SE to identify the personal identification number of the quoting party.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
		01	American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits) <i>Use only when multiple accounts are on file with the Federal Government to indicate the number of the one to which the remittance is to be sent.</i>	
		11	Account Number Number identifies a telecommunications industry account <i>Use only when multiple accounts are on file, to indicate which accounts to receive the remittance.</i>	
		SG	Savings <i>Use only when multiple accounts are on file to indicate which account is to receive the remittance.</i>	
Must Use	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
Not Used	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: **PER** Administrative Communications Contact

Position: 360

Loop: N1 Optional

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.

Semantic Notes:

Comments:

Notes:

1. Use this 1/PER/360 segment to provide the name and communication number of individuals associated with the entity cited in the preceding 1/N1/310 segment.

2. A request has been submitted to ASC X12 to add data element 443, Contract Inquiry Reference, at PER07. This data element will permit citing the title of the party identified in PER02. If approved, this data element will be available for use in the ASC X12 Version/Release 3050.

Data Element Summary

Ref.	Data			
Des.	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	
			<i>Use to identify individuals who can be contacted regarding the solicitation.</i>	
		AA	Authorized Representative	
			<i>Use to indicate an individual empowered to legally bind the bidding company.</i>	
		AF	Authorized Financial Contact	
			<i>Use to indicate the individual in the bidder's company who is responsible for cost and price data.</i>	
		CE	Certifier	
			<i>Use to indicate the individual who is making the certifications contained in this quote.</i>	
		IC	Information Contact	
		KA	Authorized Negotiator	
		ME	Manufacturing	
			<i>Use to indicate the manufacturing point of contact</i>	
		PD	Project Director	
			<i>Use to indicate the Investigator, i.e., the principal party who will work on a research effort. A request has been submitted to ASC X12 to add a code for investigator. We expect this code will be available for use in ASC X12 Version/Release 3050. In the meantime, use this code.</i>	
		PP	Program Manager	
		SU	Supplier Contact	
			<i>Use to indicate the point of contact for a supplier who has design control over a manufactured item.</i>	
PER02	93	Name	O	AN 1/35
		Free-form name		
		<i>Cite the last name first, followed by the first name. Do not truncate the last name if whole name is longer than 35 characters. Instead, truncate the first name or use the initial of the first name.</i>		

PER03	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		AU		Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)
		EM		Electronic Mail
		FX		Facsimile
		IT		International Telephone
				<i>Include country code.</i>
		TE		Telephone
				<i>Use to indicate the commercial telephone number of the named party.</i>
PER04	364	Communication Number	X	AN 1/80
		Complete communications number including country or area code when applicable		
				<i>When PER03 cites code TE, be sure to include the area code.</i>
PER05	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
				<i>Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a commercial telephone number, PER05/06 can be used to cite an Electronic Mail address.</i>
		AU		Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)
		EM		Electronic Mail
		EX		Telephone Extension
				<i>Use only if PER03 is used citing either code AU or TE.</i>
		FX		Facsimile
		IT		International Telephone
				<i>Include country code.</i>
		TE		Telephone
				<i>Use to indicate the commercial telephone number of the named party.</i>
PER06	364	Communication Number	X	AN 1/80
		Complete communications number including country or area code when applicable		

Segment:	TD5 Carrier Details (Routing Sequence/Transit Time)
Position:	390
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required.
Semantic Notes:	
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes:	1. Use this segment to identify exceptions being taken to the requirements contained in the solicitation or when information related to the quote is being provided. 2. Use this segment when the shipment method is applicable to a named entity and is the same for all of the line items that will be shipped to that named entity. If the shipment method for the named entity varies by line item use the 2/TD5/250 segment.

Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
Not Used	TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement	O ID 1/2
Not Used	TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
Not Used	TD503	67	Identification Code Code identifying a party or other code	X AN 2/17
Must Use	TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment <i>1. Use any code.</i> <i>2. A conversion table may be required to convert Agency codes to the codes used by ASC X12.</i> Refer to 003040 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	TD505	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X AN 1/35
Not Used	TD506	368	Shipment/Order Status Code 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	X ID 2/2
Not Used	TD507	309	Location Qualifier Code identifying type of location	O ID 1/2
Not Used	TD508	310	Location Identifier Code which identifies a specific location	X AN 1/30
Not Used	TD509	731	Transit Direction Code The point of origin and point of direction	O ID 2/2
Not Used	TD510	732	Transit Time Direction Qualifier Code specifying the value of time used to measure the transit time	O ID 2/2
Not Used	TD511	733	Transit Time	X R 1/4

Not Used	TD512	284	The numeric amount of transit time Service Level Code Code defining service	X	ID 2/2
----------	-------	-----	---	---	--------

Segment: **PO1** Baseline Item Data
Position: 010
Loop: PO1 Optional
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 PO106 is present, then PO107 is required.
- 4 If PO108 is present, then PO109 is required.
- 5 If PO110 is present, then PO111 is required.
- 6 If PO112 is present, then PO113 is required.
- 7 If PO114 is present, then PO115 is required.
- 8 If PO116 is present, then PO117 is required.
- 9 If PO118 is present, then PO119 is required.
- 10 If PO120 is present, then PO121 is required.
- 11 If PO122 is present, then PO123 is required.
- 12 If PO124 is present, then PO125 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. If the quote is for the exact item in the solicitation, PO101, PO102, PO103, PO104 are all that is required.*

2. When BQR06 is code AB, use codes FS, MF, MG, PW, ZB, or other appropriate codes in PO106-PO125, as necessary, to adequately describe the item and to provide information regarding the item, its manufacturer, and its design control source.

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
PO101	350	Assigned Identification	O AN 1/11
		Alphanumeric characters assigned for differentiation within a transaction set <i>To identify the item being quoted, this data element must contain whatever numeric or alpha characters that were provided in the solicitation.</i>	
PO102	330	Quantity Ordered	X R 1/9
		Quantity ordered <i>Use to specify the quantity being quoted for the line item. If this quantity differs from the solicited quantity, use the PO3 segment to explain.</i>	
PO103	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 <i>1. Use any code.</i>	
		<i>2. A conversion table may be required to convert Agency codes to the codes used by ASC X12.</i>	
		Refer to 003040 Data Element Dictionary for acceptable code values.	
PO104	212	Unit Price	X R 1/14
		Price per unit of product, service, commodity, etc. <i>Use to indicate the unit price for the line item. The total amount of the line item (quantity x unit price) is calculated by the receiving application program.</i>	

PO105	639	Basis of Unit Price Code	O ID 2/2
		Code identifying the type of unit price for an item	
		<i>1. Use only if necessary to provide the basis of the quoted price, e.g., catalog, wholesale, etc.</i>	
		<i>2. Use any code.</i>	
		Refer to 003040 Data Element Dictionary for acceptable code values.	
PO106	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		<i>1. PO106 through PO125 are used in pairs. For example, PO106 will contain a qualifier code and PO107 will contain information related to the qualifying code. So, if PO106 is code FS, then PO107 would carry the national stock number.</i>	
		<i>2. If an equal or substitute product is being offered, as a minimum, include the national stock number, the manufacturer's part number (to indicate who has source control) and the Manufacturer (if other than the bidder). In addition, the entity who controls the design or who is manufacturing the item must be specified in the 2/N1/420 loop.</i>	
	A8	Exhibit Line Item Number	
		The line item of a document referenced in and appended to a procurement instrument which establishes a delivery requirement	
	AK	Refined Product Code	
	CH	Country of Origin Code	
	CL	Color	
	CN	Commodity Name	
	F7	End-Item Description	
		Item identifier describes an end-item associated with the use of the required material	
		<i>Use to identify the end item, if applicable, to which the solicited items applies.</i>	
	F8	Next Higher Used Assembly	
		Item identifier describes the next higher assembly associated with the use of the required material	
		<i>Use to identify, if applicable, the next higher assembly to which the solicited item applies.</i>	
	FS	National Stock Number	
		<i>The NSN shall be transmitted as a continuous set of numbers, and without the dashes.</i>	
	FT	Federal Supply Classification	
		<i>See Code Source 27 for the FSC's associated with this code.</i>	
	KA	Engineering Data List	
		<i>Use, if applicable, to indicate the list that contains the technical information related to the line item cited in PO101.</i>	
	KB	Data Category Code	
		<i>When PO101 is a CLIN or a SUBCLIN related to an exhibit, use to specify the data category of a CDRL.</i>	
	LT	Lot Number	
	MF	Manufacturer	
		<i>Use to indicate a manufacturer (in clear text) who does not have a CAGE code. When offering a</i>	

	<i>substitute product, use of either this code or code ZB is RECOMMENDED.</i>
MG	Manufacturer's Part Number <i>Use is RECOMMENDED when BQR06 is code AB and the alternate or substitute item does not have an NSN. The part number should include the manufactures CAGE code.</i>
N1	National Drug Code in 4-4-2 Format 4-digit manufacturer ID, 4-digit product ID, 2-digit trade package size
N2	National Drug Code in 5-3-2 Format 5-digit manufacturer ID, 3-digit product ID, 2-digit trade package size
N3	National Drug Code in 5-4-1 Format 5-digit manufacturer ID, 4-digit product ID, 1-digit trade package size
N4	National Drug Code in 5-4-2 Format 5-digit manufacturer ID, 4-digit product ID, 2-digit trade package size
ND	National Drug Code (NDC)
PD	Part Number Description <i>Use to indicate a text description of an item.</i>
PI	Purchaser's Item Code <i>Use to provide a text description of an item that has no other assigned identification number.</i>
PN	Company Part Number
PU	Part Reference Number Often on a part or subassembly drawing there is a reference number shown that is not a part number but may refer to a set of notes for use in fabrication, assembly, or in repairing the item; it may refer to a physical location within the product, such as location of a particular part on a truck engine, or to a reference to a circuit location on an electronic assembly <i>Use to indicate a number assigned by an industry not associated with a specific manufacturer. Do not use for national drug codes.</i>
PW	Part Drawing <i>Use is RECOMMENDED, if applicable, when BQR06 is code AB.</i>
SH	Service Requested A numeric or alphanumeric code from a list of services available to the customer
SN	Serial Number <i>Use to identify, if applicable, the serial number of the item cited in PO101. For example, if the solicitation is for the repair of a serial numbered aircraft engine.</i>
SR	Substitute Product Number
SV	Service Rendered <i>Use to specify in text, the service being solicited.</i>
SW	Stock Number <i>Use to indicate a local stock number.</i>
SZ	Vendor Alphanumeric Size Code (NRMA) <i>Use to indicate the size of the item being solicited.</i>

UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1) A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit
VP	Vendor's (Seller's) Part Number <i>Use to identify a part number assigned by a selling party other than a manufacturer.</i>
ZB	Commercial and Government Entity (CAGE) Code A code that identifies a commercial contractor authorized to do business with the U.S. government <i>Use to identify the manufacturer of the item. When offering a substitute product, use of either this code or code MF is RECOMMENDED.</i>

PO107	234	Product/Service ID Identifying number for a product or service	X	AN 1/30
PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
PO109	234	Product/Service ID Identifying number for a product or service	X	AN 1/30
PO110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
PO111	234	Product/Service ID Identifying number for a product or service	X	AN 1/30
PO112	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
PO113	234	Product/Service ID Identifying number for a product or service	X	AN 1/30
PO114	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
PO115	234	Product/Service ID Identifying number for a product or service	X	AN 1/30
PO116	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
PO117	234	Product/Service ID Identifying number for a product or service	X	AN 1/30
PO118	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2

PO119	234	Product/Service ID Identifying number for a product or service	X	AN 1/30
PO120	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
PO121	234	Product/Service ID Identifying number for a product or service	X	AN 1/30
PO122	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
PO123	234	Product/Service ID Identifying number for a product or service	X	AN 1/30
PO124	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
PO125	234	Product/Service ID Identifying number for a product or service	X	AN 1/30

Segment: **PO3** Additional Item Detail

Position: 030

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To specify additional item-related data involving variations in normal price/quantity structure

Syntax Notes: 1 If PO304 is present, then at least one of PO303 or PO305 is required.

Semantic Notes:

Comments: 1 Some examples of price/quantity variations are: price in different units from the PO1 segment, price changes by date, or price changes by quantity (break and level).
2 PO307 defines the unit of measure for PO306.

Notes: 1. *Use this 2/PO3/030 segment to provide additional information relative to the item indicated in PO101.*
2. *Use to provide an explanation if the quantity or unit of measure being quoted is different than in the solicitation.*
3. *Use also to specify the alternate quantity and unit of measure being quoted if one was identified in the solicitation.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PO301	371	Change Reason Code	M ID 2/2
			Code specifying the reason for price or quantity change	
			AQ Alternate Quantity and Unit of Measure	
			MC Pack/Size Measure Difference	
			PC Pack Difference	
			QH Quantity on Hand	
			QT Quantity Price Break	
			<i>If the quantity being offered is more than requested in the solicitation, use to indicate this quantity represents a cost savings.</i>	
			SC Size Difference	
			UM Unit of Measure Difference	
			ZZ Mutually Defined	
			<i>A request has been submitted to ASC X12 to request a code be added for minimum Order (to indicate that a minimum order, either price or quantity, is being quoted). We expect this code will be available in ASC X12 Version/Release 3050. In the meantime, use this code. When this code is used and the minimum order amount is a quantity, PO306 and PO307 will repeat what is cited in PO102 and PO103.</i>	
Not Used	PO302	373	Date	O DT 6/6
			Date (YYMMDD)	
	PO303	236	Price Identifier Code	X ID 3/3
			Code identifying pricing specification	
			<i>Use any code.</i>	
			Refer to 003040 Data Element Dictionary for acceptable code values.	
	PO304	212	Unit Price	O R 1/14
			Price per unit of product, service, commodity, etc.	

	PO305	639	Basis of Unit Price Code Code identifying the type of unit price for an item <i>Use any code.</i> Refer to 003040 Data Element Dictionary for acceptable code values.	X	ID 2/2
Must Use	PO306	380	Quantity Numeric value of quantity	M	R 1/15
Must Use	PO307	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Use any code.</i> Refer to 003040 Data Element Dictionary for acceptable code values.	M	ID 2/2
Not Used	PO308	352	Description A free-form description to clarify the related data elements and their content	O	AN 1/80

Segment: **CTP** Pricing Information

Position: 040

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To specify pricing information

Syntax Notes: 1 If CTP04 is present, then CTP05 is required.
 2 If CTP06 is present, then CTP07 is required.
 3 If CTP09 is present, then CTP02 is required.

Semantic Notes: 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
 2 CTP08 is the rebate amount.

Comments: 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04.
 See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Notes: 1. Use this 2/CTP/040 segment to provide pricing information requested in the solicitation.

2. Data maintenance has been submitted to ASC X12 asking for the additional of data element 499 Condition Code as an optional data element as CTP10. This data element would be used to specify the packaging level, protection level or delivery zone, when CTP02 cites a related code.

3. Example of step-ladder pricing for ranges 1-10, 11-20, 21-30, and 31-50:

CTP**PBQ**1*EA n/I
 CTP**ICL*25.00*10*EA n/I
 CTP**ICL*24.50*20*EA n/I
 CTP**ICL*23.50*30*EA n/I
 CTP**MAX*22.00*50*EA n/I

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Not Used	CTP01	687 Class of Trade Code Code indicating class of trade	O ID 2/2
	CTP02	236 Price Identifier Code Code identifying pricing specification	X ID 3/3

1. Use any code.

2. Data maintenance has been submitted to ASC X12 asking for the addition of codes for: Packaging protection levels and packing levels. If approved, these codes will be available for use in ASC X12 Version/Release 3050.

CAT Catalog Price

Use to indicate that in addition to the quoted price, a catalog price for the item cited in PO101 is being provided.

ICL Unit Price Through Quantity

Use to indicate the end of a range when prices are being quoted on quantity ranges.

MAX Maximum Order Quantity Price

Use to indicate the maximum quantity for which prices are being solicited when prices are being quoted on quantity ranges.

		MIN	Minimum Order Quantity Price		
		PAQ	Price Break Quantity(s)		
			<i>Use to indicate quantities at which price breaks are offered.</i>		
		PBQ	Unit Price Beginning Quantity		
			<i>Use to indicate the beginning of a specified range when prices are being quoted on quantity ranges.</i>		
		PUR	Purchase		
			<i>Use to indicate a replacement price for an item if it is less costly than to repair the item.</i>		
	CTP03	212	Unit Price	O	R 1/14
			Price per unit of product, service, commodity, etc.		
	CTP04	380	Quantity	O	R 1/15
			Numeric value of quantity		
	CTP05	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		
			<i>Use any code.</i>		
			Refer to 003040 Data Element Dictionary for acceptable code values.		
	CTP06	648	Price Multiplier Qualifier	O	ID 3/3
			Code indicating the type of price multiplier		
			Refer to 003040 Data Element Dictionary for acceptable code values.		
	CTP07	649	Multiplier	X	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	CTP08	782	Monetary Amount	O	R 1/15
			Monetary amount		
Not Used	CTP09	639	Basis of Unit Price Code	O	ID 2/2
			Code identifying the type of unit price for an item		

Segment:	MEA Measurements
Position:	049
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required. 2 If MEA03 is present, then MEA04 is required. 3 If MEA05 is present, then MEA04 is required. 4 If MEA06 is present, then MEA04 is required. 5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required. 6 Only one of MEA08 or MEA03 may be present.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:	<p>1. Use this 2/MEA/049 segment when a measurement applies to a specific line item. When information applies to all the line items, use the 1/MEA/200 segment.</p> <p>2. Use this segment if it is necessary to provide measurements to describe the item being quoted.</p>

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
MEA01	737	Measurement Reference ID Code	O ID 2/2
		Code identifying the broad category to which a measurement applies	
		CT	Counts
			<i>Use to indicate variations in quantity when expressed as a discrete quantity. Use MEA05/06 to provide the quantity over and under.</i>
		DE	Defects
			<i>Use to indicate a warranty period.</i>
MEA02	738	Measurement Qualifier	O ID 1/3
		Code identifying a specific product or process characteristic to which a measurement applies	
		<i>Use any code.</i>	
		PO	Percent of Order (-, +)
			Expression of allowable variance of order expressed either as absolute (for example 92% to 110%) or relative percent (for example - 8% to + 10%)
			<i>Use to indicate the percent variation in quantity permitted for the order. Use MEA05/06 to indicate the percent over and under.</i>
		TT	Time
			<i>Use to indicate the length of the warranty period. Specify the number of days, weeks, months, or years in MEA03 and the time period in MEA04-1.</i>
		ZZZ	Mutually Defined
			<i>Use to indicate a code for permitted.</i>
MEA03	739	Measurement Value	X R 1/10
		The value of the measurement	
MEA04	C001	Composite Unit of Measure	X

			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>1. Use any code.</i>	
			<i>2. A conversion table may be required to convert agency codes to the codes used by ASC X12.</i>	
			Refer to 003040 Data Element Dictionary for acceptable code values.	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	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	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00112	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00113	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00114	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00115	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
	MEA05	740	Range Minimum	X R 1/10
			The value specifying the minimum of the measurement range	
			<i>When MEA01 is code CT or MEA02 is code PO, use to specify the variation in quantity under.</i>	
	MEA06	741	Range Maximum	X R 1/10
			The value specifying the maximum of the measurement range	
			<i>When MEA01 is code CT or MEA02 is code PO, use to specify the variation over.</i>	
Not Used	MEA07	935	Measurement Significance Code	O ID 2/2
			Code used to benchmark, qualify or further define a measurement value	
Not Used	MEA08	936	Measurement Attribute Code	X ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined	

Not Used	MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2
Not Used	MEA10	1373	Measurement Method or Device The method or device used to record the measurement	O ID 2/4

Segment:	PID Product/Item Description
Position:	050
Loop:	PID Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID03 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 Use PID03 to indicate the organization that publishes the code list being referred to. 2 PID04 should be used for industry-specific product description codes. 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item. A "N" indicates it does not apply. Any other value is indeterminate.
Comments:	<ol style="list-style-type: none"> 1 If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "X", then both PID04 and PID05 are used. 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment. 3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	<i>Use this 2/PID/050 segment if it is necessary to further describe an item specified in PO101.</i>

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349	Item Description Type Code indicating the format of a description F Free-form S Structured (From Industry Code List) X Semi-structured (Code and Text)	M ID 1/1
	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic MAC Material Classification Class of material, e.g. prime, secondary, etc. <i>Use to indicate the item specified in 2/PO1/010 is a surplus item.</i>	O ID 2/3
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values ZZ Mutually Defined <i>Use to indicate the federal government. A request has been submitted to ASC X12 to add a code for Federal Government. If approved, this code will be available for use in ASC X12 Version/Release 3060. In the meantime, use this code.</i>	X ID 2/2
	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic <i>When PID02 is code MAC, use to indicate the classification of the item using the following: Cite the letter 'N' for new/unused. Cite the letter 'R' for new/reconditioned. Cite the letter 'M' for new/modified. Cite the letter 'O' for used/overhauled.</i>	X AN 1/12
	PID05	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

1. Use, if necessary, to provide a brief description of the line item being quoted.

2. Use is discouraged.

Not Used	PID06	752	Surface/Layer/Position Code	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
Not Used	PID07	822	Source Subqualifier	O	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
Not Used	PID08	1073	Yes/No Condition or Response Code	O	ID 1/1
			Code indicating a Yes or No condition or response		

Segment: **PWK** Paperwork

Position: 070

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To identify the type and transmission of paperwork or supporting information

Syntax Notes: 1 If either PWK05 or PWK06 is present, then the other is required.

Semantic Notes:

Comments:

- 1 PWK05 and PWK06 may be used to identify the addressee by a code number.
- 2 PWK07 may be used to indicate special information to be shown on the specified report.
- 3 PWK08 may be used to indicate action pertaining to a report.

Notes:

1. Use this 2/PWK/070 segment to indicate how technical documentation, specifications or drawings, etc., applicable to a specific line item, or required by the solicitation, are being provided by the selling party and how that paperwork is being provided.
2. Use this segment to provide paperwork information that applies to a specific line item. If the information applies to all of the line items, use the 1/PWK/210 segment.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use	PWK01	755 Report Type Code	M ID 2/2
		Code indicating the title or contents of a document, report or supporting item	
		<i>A request has been submitted to ASC X12 to add codes for: Certified Cost and Price Data, and Attachment. We expect these codes to be available for use in ASC X12 Version/Release 3050. Since these codes are not essential to small purchases, no attempt has been made to use surrogate codes.</i>	
		24 Non-Contractual Plan	
		<i>A request has been submitted to ASC X12 to add a code for Union Agreement. We expect this code will be available for use in ASC X12 Version/Release 3050. In the meantime, use this code for Union Agreement.</i>	
		25 Purchase Plan	
		<i>Use to indicate the seller is providing a make or buy plan.</i>	
		35 Subcontractor Plan	
		C1 Cost Data Summary	
		<i>Use to indicate cost and price data is being provided.</i>	
		DW Drawing(s)	
		IT Certified Inspection and Test Results	
		<i>Use to indicate test results for a QBL, QML or QPL item are being provided.</i>	
		MS Material Safety Data Sheet	
		SD Support Data for a Request for Quote	
		<i>Use to indicate that supporting technical documentation, e.g., technical proposal, etc., are being provided.</i>	
	PWK02	756 Report Transmission Code	O ID 2/2
		Code defining timing, transmission method or format by which reports are to be sent	
		<i>While any code can be used, code EL is preferred when the indicated paperwork can be provided electronically using one of the transaction sets</i>	

specifically designed for the purpose.

BM	By Mail
EL	Electronically Only
FX	By Fax
TX	Text

A request has been submitted to ASC X12 to add a code for Courier. We expect this code be available for use in ASC X12 Version/Release 3050. In the meantime, use this code.

Not Used	PWK03	757	Report Copies Needed	O	N0 1/2
			The number of copies of a report that should be sent to the addressee		
Not Used	PWK04	98	Entity Identifier Code	O	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
Not Used	PWK05	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
Not Used	PWK06	67	Identification Code	X	AN 2/17
			Code identifying a party or other code		
	PWK07	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
			<i>1. Use to provide additional information or instructions related to a specific paperwork item.</i>		
			<i>2. Use is discouraged.</i>		
	PWK08	C002	Actions Indicated	O	
			Actions to be performed on the piece of paperwork identified		
Must Use	C00201	704	Paperwork/Report Action Code	M	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
		3	Complete		
			Use the information provided, add additional required data, distribute as indicated		
			<i>Use to indicate the specified paperwork will be provided. Data maintenance has been submitted to ASC X12. If approved, the code will be available for use in ASC X12 Version/Release 3050. In the meantime, use this code.</i>		
Not Used	C00202	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
Not Used	C00203	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
Not Used	C00204	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
Not Used	C00205	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		

Segment:	PKG Marking, Packaging, Loading
Position:	080
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To describe marking, packaging, loading, and unloading requirements
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of PKG04 PKG05 or PKG06 is required. 2 If PKG04 is present, then PKG01 is required. 3 If PKG05 is present, then PKG01 is required.
Semantic Notes:	1 PKG04 should be used for industry-specific packaging description codes.
Comments:	<ol style="list-style-type: none"> 1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc. 2 If PKG01 = "F", then PKG05 is used. If PKG01 = "S", then PKG04 is used. If PKG01 = "X", then both PKG04 and PKG05 are used. 3 Use PKG03 to indicate the organization that publishes the code list being referred to. 4 Special marking or tagging data can be given in PKG05 (description).
Notes:	<p><i>1. Use this 2/PKG/080 segment when the packaging proposed is different from the requested packaging or if packaging requirements were at the option of the bidder. Use this segment when that packaging information applies to a specific line item. If the packaging information applies to all the line items, use the 1/PKG/220 segment.</i></p> <p><i>2. A request has been submitted to ASC X12 to add MIL-STD 2073-2C codes to ASC X12 standards. If approved, those codes will be available for use in ASC X12 Version/Release 3050. and they will be carried in PKG02/03/04. Until those codes are available, packaging information can be transmitted as a MIL-STD 2073-2C code string (as is currently done in a paper instrument) in PKG05.</i></p>

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
PKG01	349	Item Description Type	X ID 1/1
		Code indicating the format of a description	
		F Free-form	
		<i>Use to indicate the packaging information is provided as free form text.</i>	
PKG02	753	Packaging Characteristic Code	O ID 1/5
		Code specifying the marking, packaging, loading and related characteristics being described	
		<i>A request has been submitted to ASC X12 to add the MIL-STD 2073 2-C packaging characteristic codes e.g., CD - Cleaning/Drying procedures, CT - Cushioning Thickness, etc. We expect those codes will be available for use in ASC X12 Version/Release 3050. In the meantime, use code 65 when providing the MIL-STD 2073-2C code string in PKG05.</i>	
		65 Core Characteristics	
		<i>Use to indicate MIL-STD 2073-2C packaging codes. Cite the code string in PKG05.</i>	
PKG03	559	Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		DD Department of Defense	
		Responsible for Military Specification	
		GS General Services Administration (GSA)	
		Responsible for Federal Specification	
		ZZ Mutually Defined	
		<i>Use to indicate the Federal Government other than the</i>	

Department of Defense or General Services Administration. Data maintenance has been submitted to ASC X12. If approved a code for the Federal Government will be available in ASC X12 Version/Release 3050.

Not Used	PKG04	754	Packaging Description Code	X	AN 1/7
			A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product		
	PKG05	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			<i>Use to identify a string of MIL-STD-2073-2C packaging codes or to identify packaging information in free form text. The MIL-STD-2073-2C code string uses a positional and sequential system. Coded data must appear in the sequence and number of positions specified in Appendix F of MIL-STD-2073-1. Zeros shall be inserted in the code string for data that is not being provided. A comma (,) will be used as a delimiter between the data in the code string. Use of this data element is discouraged.</i>		
Not Used	PKG06	400	Unit Load Option Code	X	ID 2/2
			Code identifying loading or unloading a shipment		

Segment: **PO4** Item Physical Details

Position: 090

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

Syntax Notes: 1 If PO402 is present, then PO403 is required.
 2 If PO405 is present, then PO406 is required.
 3 If PO406 is present, then PO407 is required.
 4 If either PO408 or PO409 is present, then the other is required.
 5 If PO410 is present, then PO413 is required.
 6 If PO411 is present, then PO413 is required.
 7 If PO412 is present, then PO413 is required.
 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.

Semantic Notes:

Comments: 1 PO403 - The "Unit of Measure Code" (Element #355) in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. Example: If the carton contains 24 12-Ounce packages, it would be described as follows: Element 356 = 24; Element 357 = 12; Element 355 = OZ.

2 PO413 defines the unit of measure for PO410, PO411, and PO412.

Notes: 1. Use this 2/PO4/090 segment to specify the dimensions of the unit or intermediate pack. In ASC X12 Version/Release 3050, this segment will be used to also carry the number of items in a unit container, the number of unit containers in an intermediate container, and the gross weight and cube of a container. Until then, this information is contained in the MIL-STD-2073-2C code string at either the header or detail level.

2. A request has been submitted to ASC X12 to increase the maximum use of this segment to greater than one in order to pass dimensions of both a unit container and intermediate container and to permit identifying the number of items in a unit and/or an intermediate. If approved this increase will be available in ASC X12 Version/Release 3050. In the meantime, dimensions of either a unit or intermediate container can be provided.

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
PO401	356	Pack	O N0 1/6
		Number of inner pack units per outer pack unit	
		Use to specify the number of items in a unit container or the number of unit containers in an intermediate container.	
Not Used	PO402	357 Size	O R 1/8
		Size of supplier units in pack	
	PO403	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. Use any code.	
		2. When PO404 is code UNT, use to specify the unit of measure applicable to the quantity cited in PO401.	
		3. A conversion table may be required to convert Agency codes to the codes used by ASC X12.	
		Refer to 003040 Data Element Dictionary for acceptable code values.	
PO404	103	Packaging Code	O AN 5/5

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material

Use the appropriate 3 character part 1 code (PKG or UNT) and to comply with the X12 min/max attributes of this data element, use part 2 code 04. Part 2 code 04 should not be processed by the receiving application".

		PKG	Package		
			<i>Use to indicate an intermediate container. A request has been submitted to ASC X12 to add a code for Intermediate container. If approved, this code will be available in ASC X12 Version/Release 3050. In the meantime, use this code.</i>		
		UNT	Unit		
			<i>Use to indicate a unit container.</i>		
		04	As Specified by the DOT		
			<i>Use this part 2 code with part 1 code PKG or UNT to comply with the X12 min/max attributes of this data element.</i>		
PO405	187	Weight Qualifier		O	ID 1/2
		Code defining the type of weight			
		<i>Use any code.</i>			
		Refer to 003040 Data Element Dictionary for acceptable code values.			
PO406	384	Gross Weight per Pack		X	R 1/9
		Numeric value of gross weight per pack			
		<i>Use to specify the weight of a container. The weight shall be specified to 1 decimal place.</i>			
PO407	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			
		<i>Use any code.</i>			
		Refer to 003040 Data Element Dictionary for acceptable code values.			
PO408	385	Gross Volume per Pack		X	R 1/9
		Numeric value of gross volume per pack			
		<i>1. Use to specify the cube of a container. The cube shall be specified to 3 decimal places.</i>			
		<i>2. This the cube of the item specified in PO404.</i>			
PO409	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			
		<i>Use any code.</i>			
		Refer to 003040 Data Element Dictionary for acceptable code values.			
PO410	82	Length		O	R 1/8
		Largest horizontal dimension of an object measured when the object is in the upright position			
		<i>Use to identify the length of the item specified in PO404.</i>			
PO411	189	Width		O	R 1/8
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position			
		<i>Use to identify the width of the item specified in PO404.</i>			
PO412	65	Height		O	R 1/8
		Vertical dimension of an object measured when the object is in the upright position			
		<i>Use to identify the height or depth (the terms are interchangeable) of the item specified in PO404.</i>			

PO413

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

Use any code.

Refer to 003040 Data Element Dictionary for acceptable code values.

Segment: **REF** Reference Numbers
 Position: 100
 Loop: PO1 Optional
 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:

Use this 2/REF/100 segment to cite reference numbers that apply to a specific line item. When the reference number applies to all the line items, use the 1/REF/050 segment.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. <i>1. Use any code. Cited codes are Preferred.</i> <i>2. When codes CT or W6 are used, one iteration of the 2/DTM/200 segment is REQUIRED. Use code 036 (Expiration) in DTM01 and provide the expiration date of the contract must be specified in DTM02.</i>	M ID 2/2
		2E	Foreign Military Sales Case Number A reference number designating the foreign military sale records <i>Use to indicate that the item is being solicited a part of a foreign military sale.</i>	
		73	Statement of Work (SOW) Description of a product or service to be procured under a contract; statement of requirements <i>Use to indicate the statement of work (SOW) number or a number within a statement of work where additional information can be found regarding the cited line item. If the SOW is a part of the solicitation, the PWK segment can be used to indicate how it is being transmitted to the quoting party if not otherwise included in the solicitation.</i>	
		AH	Agreement Number <i>Use to indicate a union agreement number.</i>	
		BV	Purchase Order Line Item Identifier (Buyer)	
		C7	Contract Line Item Number	
		CT	Contract Number <i>Use to indicate a contract other than a FSS from which the quoted item can be ordered. Enter the contract number in REF02 and explain the nature of the contract in REF03 if necessary. The expiration date of the contract must be specified in the 2/DTM/200 segment.</i>	
		DG	Drawing Number <i>If a revision number and/or date must be cited for the drawing number, concatenate the revision number with the drawing number and provide the date in</i>	

	REF03.
EV	Receiver Identification Number A unique number identifying the organization/site location designated to receive the current transmitted transaction set <i>Use to identify the office or other symbol of the requiring office responsible for ensuring the adequacy of the technical data.</i>
HD	Department of Transportation Hazardous Number
HE	Hazardous Exemption Number
HN	Hazardous Certification Number
HO	Shipper's Hazardous Number
IJ	Standard Industry Classification (SIC) Code <i>Use to identify the SIC code of the cited line item.</i>
IL	Internal Order Number <i>Use to identify the requisition number (e.g. the MILSTRIP/FEDSTRIP document number).</i>
IX	Item Number
K0	Approval Code <i>Use to indicate the approval code on a CDRL. Codes associated with code KO are found in code source 329.</i>
K4	Criticality Designator A number assigned to a contract or order that expresses the relative importance of that contract or order and thereby assists the contractor in making performance decisions and assists in making production surveillance decisions <i>Use to indicate the surveillance criticality designator applicable to the line item.</i>
K7	Paragraph Number <i>Use to indicate a particular paragraph or section in a solicitation that contains information relative to the line item.</i>
KA	Distribution List Qualifies a list of addresses to which the distribution of something should be made <i>Use to indicate a general distribution list to which some item may be delivered.</i>
KC	Exhibit Distribution List Qualifies a list of addressees to which the distribution of a cited contract exhibit must be made <i>Use to indicate an exhibit distribution list to which data items on the CDRL are to be delivered.</i>
KK	Delivery Reference <i>Use to indicate a Ship-To address list.</i>
KL	Contract Reference <i>Use to indicate a reference number found in a contract or solicitation.</i>
NS	National Stock Number
RQ	Purchase Requisition No. <i>Use, as appropriate, to identify an internal number such as a requisition, purchase request or purchase request order number. When citing a purchase request number, concatenate its line item number with the purchase request number if it is necessary to transmit</i>

			<i>both numbers.</i>
	S2		Military Specification Number (MILSPEC) <i>Use if an alternate or substitute item is offered.</i>
	S3		Specification Number <i>Use to indicate a specification other than a MILSPEC. Use also when an alternate or substitute item is offered.</i>
	TP		Test Specification Number <i>Use if an alternate or substitute item is offered.</i>
	W6		Federal Supply Schedule Number Identifies an item with a two-digit group number, two-digit part number, and one-character section letter <i>When code W6 is used, the expiration date of the schedule MUST be noted in the 2/DTM/200 segment.</i>
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.
REF03	352	Description	X AN 1/80 A free-form description to clarify the related data elements and their content <i>1. Use to identify additional information related to the cited reference number.</i> <i>2. Use is discouraged.</i>

Segment:	SAC Service, Promotion, Allowance, or Charge Information
Position:	130
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of SAC02 or SAC03 is required. 2 If either SAC03 or SAC04 is present, then the other is required. 3 If either SAC06 or SAC07 is present, then the other is required. 4 If either SAC09 or SAC10 is present, then the other is required. 5 If SAC11 is present, then SAC10 is required. 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required. 7 If SAC14 is present, then SAC13 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required. 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence. 3 SAC10 alone is used to indicate a specific quantity which could be a dollar amount, that is applicable to service, promotion, allowance or charge. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge. 4 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used. 5 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
Comments:	<ol style="list-style-type: none"> 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02. 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
Notes:	<i>Use this 2/SAC/130 segment to provide prices for services identified in the solicitation if the services vary by line item. If the services apply to all line items, use the 1/SAC/120 segment.</i>

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified <i>Use to indicate whether or not there is a charge for the service specified in the solicitation.</i> A Allowance C Charge N No Allowance or Charge	M ID 1/1
	SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge <i>Use any code.</i> Refer to 003040 Data Element Dictionary for acceptable code values.	X ID 4/4
Not Used	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values	X ID 2/2
Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X AN 1/10

			Agency maintained code identifying the service, promotion, allowance, or charge		
	SAC05	610	Amount	O	N2 1/15
			Monetary amount		
Not Used	SAC06	378	Allowance/ Charge Percent Qualifier	X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		
Not Used	SAC07	332	Allowance or Charge Percent	X	R 1/6
			Allowance or charge expressed as a percent.		
Not Used	SAC08	359	Allowance or Charge Rate	O	R 1/9
			Allowance or Charge Rate per Unit		
	SAC09	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		
			<i>A conversion table may be required to convert agency codes to codes used by ASC X12.</i>		
			Refer to 003040 Data Element Dictionary for acceptable code values.		
	SAC10	339	Allowance or Charge Quantity	X	R 1/10
			Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity		
			<i>Use to indicate the quantity to which the amount in SAC05 applies. SAC10/11 can be used together to specify a quantity range to which the amount in SAC05 applies.</i>		
	SAC11	339	Allowance or Charge Quantity	O	R 1/10
			Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity		
Not Used	SAC12	331	Allowance or Charge Method of Handling Code	O	ID 2/2
			Code indicating method of handling for an allowance or charge		
Not Used	SAC13	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	SAC14	770	Option Number	O	AN 1/20
			A unique number identifying available promotion or allowance options when more than one is offered		
Not Used	SAC15	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment:	ITD Terms of Sale/Deferred Terms of Sale
Position:	150
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify terms of sale
Syntax Notes:	1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required. 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required. 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.
Notes:	1. <i>Use this 2/ITD/150 segment when a discount applies to a specific line item. If the discount applies to all the line items, use the 1/ITD/130 segment.</i> 2. <i>If discounts other than payment of the invoice within a specified time period apply at the line item level, use the 2/DIS/160 segment.</i>

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ITD01	336	Terms Type Code	O ID 2/2
		Code identifying type of payment terms	
		<i>Use any code.</i>	
		Refer to 003040 Data Element Dictionary for acceptable code values.	
ITD02	333	Terms Basis Date Code	O ID 1/2
		Code identifying the beginning of the terms period	
		<i>Use any code.</i>	
		Refer to 003040 Data Element Dictionary for acceptable code values.	
ITD03	338	Terms Discount Percent	O R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	
ITD04	370	Terms Discount Due Date	X DT 6/6
		Date payment is due if discount is to be earned	
ITD05	351	Terms Discount Days Due	X N0 1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned	
ITD06	446	Terms Net Due Date	O DT 6/6
		Date when total invoice amount becomes due	
ITD07	386	Terms Net Days	O N0 1/3
		Number of days until total invoice amount is due (discount not applicable)	
ITD08	362	Terms Discount Amount	O N2 1/10
		Total amount of terms discount	
		<i>Use to prevent differences that can result from rounding off methods.</i>	
ITD09	388	Terms Deferred Due Date	O DT 6/6
		Date deferred payment or percent of invoice payable is due	
ITD10	389	Deferred Amount Due	X N2 1/10
		Deferred amount due for payment	
ITD11	342	Percent of Invoice Payable	X R 1/5
		Amount of invoice payable expressed in percent	

Not Used	ITD12	352	Description A free-form description to clarify the related data elements and their content	<input type="radio"/> AN 1/80
	ITD13	765	Day of Month The numeric value of the day of the month between 1 and the maximum day of the month being referenced	<input checked="" type="radio"/> N0 1/2
Not Used	ITD14	107	Payment Method Code Code identifying type of payment procedures	<input type="radio"/> ID 1/1
	ITD15	954	Percent Percentage expressed as a decimal	<input type="radio"/> R 1/10

Segment: **DIS** Discount Detail
Position: 160
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify the exact type and terms of various discount information
Syntax Notes:
Semantic Notes:
Comments:
Notes:

Use this 2/DIS/160 segment to provide line item promotional quantity or volume discount information.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DIS01	653	Discount Terms Type Code Code to define the units in which the discount will be determined, i.e., dollars, case, truckload, etc. <i>Use any code.</i> Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 3/3
Must Use	DIS02	654	Discount Base Qualifier Code to define unit of discount, i.e., dollars, cases, alternate products, etc. <i>Use any code.</i> Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 2/2
Must Use	DIS03	655	Discount Base Value A multiplier amount used in conjunction with discount base qualifier to determine the value of the discount	M R 1/10
Must Use	DIS04	656	Discount Control Limit Qualifier Code to define the units of the limits for determining discount <i>Use any code.</i> Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 2/3
Must Use	DIS05	657	Discount Control Limit Amount or time minimum for application of the discount.	M N0 1/10
	DIS06	658	Upper Discount Control Limit Amount or time maximum for application of the discount.	O N0 1/10

Segment: **FOB** F.O.B. Related Instructions

Position: 180

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify transportation instructions relating to shipment

Syntax Notes: 1 If FOB03 is present, then FOB02 is required.
2 If FOB04 is present, then FOB05 is required.
3 If FOB07 is present, then FOB06 is required.
4 If FOB08 is present, then FOB09 is required.

Semantic Notes: 1 FOB01 indicates which party will pay the carrier.
2 FOB02 is the code specifying transportation responsibility location.
3 FOB06 is the code specifying the title passage location.
4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Notes: 1. Use this 2/FOB/180 segment to specify the FOB point and acceptance location when they vary for a specific line item. If the FOB point and acceptance location apply to all the line items, use the 1/FOB/080 segment.

2. Use this segment only if the proposed FOB point is different than the FOB point specified in the solicitation.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	FOB01	146 Shipment Method of Payment	M ID 2/2
		Code identifying payment terms for transportation charges	
		BP Paid by Buyer	
		The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location)	
		<i>Use to indicate that the FOB point is origin (or source).</i>	
		PE Prepaid and Summary Bill	
		<i>Use to indicate that transportation costs are proposed to be prepaid and added to the invoice.</i>	
		PP Prepaid (by Seller)	
		<i>Use to indicate that the FOB point is destination.</i>	
FOB02	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		<i>Use to identify the FOB point.</i>	
		DE Destination (Shipping)	
		FV Free Alongside Vessel (Free On Board [F.O.B.] Point)	
		IT Intermediate FOB Point	
		A location indicating the point of destination is not the origin or final destination but rather at some other point	
		<i>Use to indicate a freight forwarder. Provide the address of the freight forwarder in the N1 loop using code IC in N101.</i>	
		OR Origin (Shipping Point)	

ZZ

Mutually Defined

Use to indicate that the FOB point is neither origin nor destination. When used, cite the actual FOB point in FOB03. If the actual FOB point is an address or geographical location, use in conjunction with one iteration of the appropriate N1 loop, using code KX in N101.

	FOB03	352	Description A free-form description to clarify the related data elements and their content <i>1. Use to identify the FOB point only when FOB02 is code ZZ.</i> <i>2. Use is discouraged.</i>	O	AN 1/80
Not Used	FOB04	334	Transportation Terms Qualifier Code Code identifying the source of the transportation terms	O	ID 2/2
Not Used	FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility	X	ID 3/3
Not Used	FOB06	309	Location Qualifier Code identifying type of location	X	ID 1/2
Not Used	FOB07	352	Description A free-form description to clarify the related data elements and their content	O	AN 1/80
Not Used	FOB08	54	Risk of Loss Qualifier Code specifying where responsibility for risk of loss passes	O	ID 2/2
Not Used	FOB09	352	Description A free-form description to clarify the related data elements and their content	X	AN 1/80

Segment:	SDQ Destination Quantity
Position:	190
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	50
Purpose:	To specify destination and quantity detail
Syntax Notes:	1 If SDQ05 is present, then SDQ06 is required. 2 If SDQ07 is present, then SDQ08 is required. 3 If SDQ09 is present, then SDQ10 is required. 4 If SDQ11 is present, then SDQ12 is required. 5 If SDQ13 is present, then SDQ14 is required. 6 If SDQ15 is present, then SDQ16 is required. 7 If SDQ17 is present, then SDQ18 is required. 8 If SDQ19 is present, then SDQ20 is required. 9 If SDQ21 is present, then SDQ22 is required.
Semantic Notes:	1 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.
Comments:	1 SDQ02 is used only if different than previously defined in the transaction set. 2 SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.
Notes:	<i>Use this 2/SDQ/190 segment when known quantities of the line item are to be delivered to multiple locations on the same date, and the locations can be identified by a CAGE code, a DUNS number, a DoDAAC or MAPAC.</i>

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes									
Must Use	SDQ01	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>1. Use any code.</i> <i>2. A conversation table may be required to convert Agency codes to the codes used by ASC X12.</i>	M ID 2/2									
	SDQ02	66	Refer to 003040 Data Element Dictionary for acceptable code values. Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) <table><tr><td>1</td><td>D-U-N-S Number, Dun & Bradstreet <i>Use of the DUNS or DUNS+4 is preferred over any other coded number to identify a named party.</i></td></tr><tr><td>9</td><td>D-U-N-S+4, D-U-N-S Number with Four Character Suffix <i>Use of the DUNS or DUNS+4 is preferred over any other coded number to identify a named party.</i></td></tr><tr><td>10</td><td>Department of Defense Activity Address Code (DODAAC) <i>Use to indicate either a Department of Defense Activity Address Code or a Civilian Agency Activity Address code.</i></td></tr><tr><td>33</td><td>Commercial and Government Entity (CAGE) <i>Use to identify vendors with CAGE codes.</i></td></tr><tr><td>A2</td><td>Military Assistance Program Address Code (MAPAC)</td></tr></table>	1	D-U-N-S Number, Dun & Bradstreet <i>Use of the DUNS or DUNS+4 is preferred over any other coded number to identify a named party.</i>	9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix <i>Use of the DUNS or DUNS+4 is preferred over any other coded number to identify a named party.</i>	10	Department of Defense Activity Address Code (DODAAC) <i>Use to indicate either a Department of Defense Activity Address Code or a Civilian Agency Activity Address code.</i>	33	Commercial and Government Entity (CAGE) <i>Use to identify vendors with CAGE codes.</i>	A2	Military Assistance Program Address Code (MAPAC)
1	D-U-N-S Number, Dun & Bradstreet <i>Use of the DUNS or DUNS+4 is preferred over any other coded number to identify a named party.</i>												
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix <i>Use of the DUNS or DUNS+4 is preferred over any other coded number to identify a named party.</i>												
10	Department of Defense Activity Address Code (DODAAC) <i>Use to indicate either a Department of Defense Activity Address Code or a Civilian Agency Activity Address code.</i>												
33	Commercial and Government Entity (CAGE) <i>Use to identify vendors with CAGE codes.</i>												
A2	Military Assistance Program Address Code (MAPAC)												

Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity

Use to identify a MAPAC address.

Must Use	SDQ03	67	Identification Code Code identifying a party or other code	M	AN 2/17
Must Use	SDQ04	380	Quantity Numeric value of quantity	M	R 1/15
	SDQ05	67	Identification Code Code identifying a party or other code	O	AN 2/17
	SDQ06	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ07	67	Identification Code Code identifying a party or other code	O	AN 2/17
	SDQ08	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ09	67	Identification Code Code identifying a party or other code	O	AN 2/17
	SDQ10	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ11	67	Identification Code Code identifying a party or other code	O	AN 2/17
	SDQ12	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ13	67	Identification Code Code identifying a party or other code	O	AN 2/17
	SDQ14	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ15	67	Identification Code Code identifying a party or other code	O	AN 2/17
	SDQ16	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ17	67	Identification Code Code identifying a party or other code	O	AN 2/17
	SDQ18	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ19	67	Identification Code Code identifying a party or other code	O	AN 2/17
	SDQ20	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ21	67	Identification Code Code identifying a party or other code	O	AN 2/17
	SDQ22	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ23	310	Location Identifier Code which identifies a specific location	O	AN 1/30

Segment: **DTM** Date/Time Reference

Position: 200
 Loop: PO1 Optional

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. Use this 2/DTM/200 segment to provide a quote delivery date that is different from the date specified in the solicitation for specific line items. Use the 2/SCH/220 segment to describe a partial delivery date. Use the 2/LDT/210 loop if the delivery schedule is a set period of time after the occurrence of some event, e.g., the receipt of the order for a specific line item. If the SCH or LDT segment is used, do not use this segment to provide a quoted delivery date.

2. Use this segment to provide dates that apply to a specific line item. Use the 1/DTM/150 segment to provide dates that apply to all of the line items.

Data Element Summary

	Ref.	Data			Attributes
	Des.	Element	Name		
Must Use	DTM01	374	Date/Time Qualifier		M ID 3/3
			Code specifying type of date or time, or both date and time		
			<i>A request has been submitted to ASC X12 to add a code for Mid-Point (the date when half the effort will be completed). We expect this code will be available for use in ASC X12 3050. Since this is not applicable to small purchases, no attempt has been made to use a surrogate code.</i>		
		036	Expiration		
			Date coverage expires		
			<i>Use to indicate the expiration date of a FSS or contract. This relates to information provided in the 2/REF/100 segment specifically for code CT and W6.</i>		
		037	Ship Not Before		
		063	Do Not Deliver After		
		064	Do Not Deliver Before		
		065	1st Schedule Delivery		
		066	1st Schedule Ship		
		069	Promised for Delivery		
		077	Requested for Delivery (Week of)		
			<i>Use to indicate the beginning date of the week.</i>		
		150	Service Period Start		
			<i>Use to indicate the quote the performance commencement date for a service line item.</i>		
		151	Service Period End		
			<i>Use to indicate the quote performance completion date for a service line item.</i>		
		174	Month Ending		
			<i>When this code is used cite the last date of the month.</i>		
		278	Last Item Delivery		
			The date the last item will be delivered to the customer		
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	
	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: **LDT** Lead Time

Position: 210

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 12

Purpose: To specify lead time for availability of products and services

Syntax Notes:

Semantic Notes: 1 LDT04 is the effective date of lead time information.

Comments: 1 LDT02 is the quantity of unit of time periods.

Notes: 1. Use this 2/LDT/210 segment only to describe a different delivery schedule then specified in the solicitation. Use this 2/LDT/210 segment when the delivery schedule is expressed as a set period of time after the occurrence of some event, e.g., receipt of the order, and vary by line item.

2. A request has been submitted to ASC X12 to move this segment to a new location and create a loop that includes the QTY and MSG segments and an embedded LMLQ loop. This loop will provide the capability of specifying multiple delivery schedules for an individual line item and also provide the frequency of delivery for a data item on a Contract Data Requirements list. If approved this loop will be available in ASC X12 Version/Release 3050. Until then, the LDT segment can only specify a single delivery schedule for a specified quantity which must be carried as a separate SUBCLIN.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	LDT01	345	Lead Time Code	M ID 2/2
			Code indicating the time range	
			<i>A request has been submitted to ASC X12 to add the following codes: From Date of Latest Delivery to Final Delivery, From Date of Previous Delivery to Subsequent Delivery, From Date of Award to Date of Latest Delivery, From Date of Award to Date of Earliest Delivery, From Date of Award to Date of Completion, From Date of Specified Event to Delivery, and From Date of Award to Date of Delivery. We expect these codes to be available in ASC X12 Version/Release 3050.</i>	
			AA	From date of PO receipt to sample ready
			AD	From date of sample approval to first product shipment
			AE	From date of PO receipt to shipment
			AF	From date of PO receipt to delivery
			AH	From Date of Receipt of First Article to First Article Approval
			AZ	From Date of Receipt of Item to Date of Approval of Item
Must Use	LDT02	380	Quantity	M R 1/15
			Numeric value of quantity	
Must Use	LDT03	344	Unit of Time Period or Interval	M ID 2/2
			Code indicating the time period or interval	
			CY	Calendar Year
			DA	Calendar Days
			KK	Maximum Calendar Days
			<i>Use to indicate a flexible time period, e.g., X number of days or less.</i>	
			MO	Month
			QY	Quarter of a Year
			SA	Semiannual

LDT04 373 WK Weeks O DT 6/6
Date
Date (YYMMDD)

Use, as applicable, to indicate the effective date of the lead time. For example, delivery will be in 20 days effective June 1, 1994.

Segment: **SCH** Line Item Schedule

Position: 220

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 104

Purpose: To specify the data for scheduling a specific line-item

Syntax Notes: 1 If SCH03 is present, then SCH04 is required.
2 If SCH09 is present, then SCH08 is required.

Semantic Notes: 1 SCH12 is the schedule identification.

Comments: 1 SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Notes: 1. *Use this 2/SCH/220 segment only to describe different partial deliveries than were specified in the solicitation.*

2. *If this segment is used to provide the delivery date, do not use the 2/DTM/200 segment to provide a quote delivery date.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SCH01	380	Quantity Numeric value of quantity	M R 1/15
Must Use	SCH02	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>1. Use any code.</i> <i>2. A conversion table may be required to convert Agency codes to the codes used by ASC X12.</i> Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 2/2
Not Used	SCH03	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O ID 2/2
Not Used	SCH04	93	Name Free-form name	X AN 1/35
Must Use	SCH05	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 037 Ship Not Before 063 Do Not Deliver After 064 Do Not Deliver Before 065 1st Schedule Delivery 066 1st Schedule Ship 069 Promised for Delivery <i>Use to indicate a delivery date that is different than the date specified in the solicitation.</i> 077 Requested for Delivery (Week of) <i>Use to indicate the beginning date of the week.</i> 174 Month Ending <i>When this code is used cite the last date of the month.</i>	M ID 3/3
Must Use	SCH06	373	Date Date (YYMMDD)	M DT 6/6
Not Used	SCH07	337	Time 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	O TM 4/8

			are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
	SCH08	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
		063	Do Not Deliver After	
		064	Do Not Deliver Before	
		065	1st Schedule Delivery	
		066	1st Schedule Ship	
		069	Promised for Delivery	
			<i>Use to indicate a delivery date that is different than the date specified in the solicitation.</i>	
		077	Requested for Delivery (Week of)	
			<i>Use to indicate the beginning date of the week.</i>	
		174	Month Ending	
			<i>When this code is used cite the last date of the month.</i>	
	SCH09	373	Date	O DT 6/6
			Date (YYMMDD)	
Not Used	SCH10	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)	
	SCH11	326	Request Reference Number	O AN 1/45
			Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	
			<i>Use, as applicable, to cross-reference the cited line item.</i>	
Not Used	SCH12	350	Assigned Identification	O AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set	

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)

Position: 250
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: 12

Purpose: To specify the carrier and sequence of routing and provide transit time information
Syntax Notes: 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
 2 If TD502 is present, then TD503 is required.
 3 If TD507 is present, then TD508 is required.
 4 If TD510 is present, then TD511 is required.

Semantic Notes:

Comments: 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Notes: 1. Use this 2/TD5/250 segment to specify the transportation method that is applicable to a specific line item.

2. Use this segment to identify exceptions being taken to the requirements contained in the solicitation or when information related to the quote is being provided.

Data Element Summary

Ref.	Data			
Des.	Element	Name	Attributes	
Not Used	TD501	133 Routing Sequence Code	O	ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement		
Not Used	TD502	66 Identification Code Qualifier	X	ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
Not Used	TD503	67 Identification Code	X	AN 2/17
		Code identifying a party or other code		
Must Use	TD504	91 Transportation Method/Type Code	X	ID 1/2
		Code specifying the method or type of transportation for the shipment		
		1. Use any code.		
		2. A conversion table may be required to convert Agency codes to the codes used by ASC X12.		
		Refer to 003040 Data Element Dictionary for acceptable code values.		
Not Used	TD505	387 Routing	X	AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		
Not Used	TD506	368 Shipment/Order Status Code	X	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		
Not Used	TD507	309 Location Qualifier	O	ID 1/2
		Code identifying type of location		
Not Used	TD508	310 Location Identifier	X	AN 1/30
		Code which identifies a specific location		
Not Used	TD509	731 Transit Direction Code	O	ID 2/2
		The point of origin and point of direction		
Not Used	TD510	732 Transit Time Direction Qualifier	O	ID 2/2
		Code specifying the value of time used to measure the transit time		
Not Used	TD511	733 Transit Time	X	R 1/4
		The numeric amount of transit time		

Not Used	TD512	284	Service Level Code Code defining service
----------	-------	-----	---

X ID 2/2

Segment: **TD4** Carrier Details (Special Handling or Hazardous Materials or Both)
 Position: 270
 Loop: PO1 Optional
 Level: Detail
 Usage: Optional
 Max Use: 5
 Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

Syntax Notes: 1 At least one of TD401 TD402 or TD404 is required.
 2 If TD402 is present, then TD403 is required.

Semantic Notes:

Comments:

Notes:

Use this 2/TD4/270 segment to provide hazardous material information that applies to a specific line item. If the hazardous material information applies to all the line items, use the 1/TD4/260 segment.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Not Used	TD401	152 Special Handling Code	X	ID 2/3
		Code specifying special transportation handling instructions		
	TD402	208 Hazardous Material Code Qualifier	X	ID 1/1
		Code which qualifies the Hazardous Material Class Code (209)		
		<i>A request for the following codes has been submitted to ASC X12: Storage Compatibility Group and Hazard Class or Division. We expect these codes to be available in ASC X12 Version/Release 3050.</i>		
		D Hazardous Materials ID, DOT		
	TD403	209 Hazardous Material Class Code	X	AN 2/4
		Code specifying the kind of hazard for a material		
	TD404	352 Description	X	AN 1/80
		A free-form description to clarify the related data elements and their content		
		<i>Use is discouraged.</i>		

Segment: **N9** Reference Number
Position: 400
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier
Syntax Notes: 1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
Semantic Notes: 1 N906 reflects the time zone which the time reflects.
Comments:
Notes: 1. Use this 2/N9/400 loop to provide certifications, representations, or fill-in information applicable to a specific line item as required in the solicitation (RRA Segment) 840 transaction set.

2. Use this segment to cite the clause to which the bidder is responding with a certification, representation or fill in information. This segment can also be used to cite the paragraph number or special instruction number in the solicitation that requires the bidder to provide information, or to cite the segment sequence number from the 840 request for quote transaction set to which the bidder is taking exception.

3. In all the above circumstances use N9 segment to indicate the type of data being provided and the MSG to actually provide it.

4. When an ALTERNATE(s) is/are relevant to a cited clause, the ALTERNATE alpha or numeric designation will be concatenate with the applicable clause number in N902.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use N901	128	Reference Number Qualifier Code qualifying the Reference Number. <i>A request has been submitted to ASC X12 to add codes for circular number, which will be used to specify an OMB circular number and Federal Information Resources Management Regulation. We expect these codes to be available for use in ASC X12 Version/Release 3050.</i>	M ID 2/2
	55	Sequence Number <i>When BQR06 is code DQ or UQ, use to indicate an explanation is being provided in the following MSG Segment. Insert the word "Explanation" in N903 when using this code.</i>	
	73	Statement of Work (SOW) Description of a product or service to be procured under a contract; statement of requirements	
	DD	Document Identification Code <i>Use to indicate a department of labor wage determination.</i>	
	KR	Response to a Request for Quotation Reference A discrete number assigned for identification purpose to a response to a request for quotation <i>Use to indicate fill-in information is being provided in the following MSG segment as required by the number cited in N902.</i>	
	KT	Request for Quotation Reference A discrete number assigned for identification purposes	

to a request for quotation

When BQR06 is code BW, use to indicate exceptions are being taken to items in the solicitation. When used, insert the word "Exception" in N903 and state the exception in the following MSG segment.

KW

Certification

A number, taken from an acquisition regulation, which represents a specific certification that must be made by a prospective vendor before a contract or order can be placed with that vendor

Use to indicate a certification is being provided in the following MSG segment as required by the number cited in N902.

KX

Representation

A number, taken from an acquisition regulation, which represents a specific representation that must be made by a prospective vendor before a contract or order can be placed with that vendor

Use to indicate a representation is being provided in the following MSG segment as required by the number cited in N902.

L1

Letters or Notes

Use to indicate general information, comments or notes. When used, insert the word "Note" in N903 and provide the information in the following MSG segment.

N902	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.

N903	369	Free-form Description	X	AN 1/45
------	-----	-----------------------	---	---------

Free-form descriptive text

N904	373	Date	O	DT 6/6
------	-----	------	---	--------

Date (YYMMDD)

If the date of a clause requiring a certification, representation or fill-in information was specified in the solicitation and the clause is listed in N902, repeat the date in this element. When the date is used it will be in YYMMDD format so a clause date should always end with the numeric 01 indicating the first day of the month. This rule is necessary to comply with ASC X12 syntax. Use also for the date of a Department of Labor wage determination.

Not Used	N905	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	N906	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

Segment: **MSG** Message Text
Position: 410
Loop: N9 Optional
Level: Detail
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 2/MSG/410 segment to provide information required by the cited number in N902; to provide general comments, i.e., notes, N901 is code L1; to provide an explanation when N901 is code 55; or to specify the exception being taken to some item in the solicitation (N901 is code KT).*
2. *Use is discouraged.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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:	420
Loop:	N1 Optional
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:	<i>1. Whenever possible, address information should be transmitted using code value contained in a combination of the N101, N103/04 data elements. Use N102 and N2-N4 segments only when it is necessary to transmit the full address. For example, if a vendor can be identified by a DUNS number, it is not necessary to transmit the vendors full address since the relationship between the DUNS number and the vendors address can be established by accessing a data base in which the information is stored, having been put there at the time the vendor electronically registered as a federal government trading partner.</i> <i>2. Use this 2/N1/420 loop to identify organizations or people that apply to a specific line item. If the organizations or people apply to all of the line items, use the 1/N1/310 loop.</i>

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	N101	98 Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		28 Subcontractor	
		31 Postal Mailing Address	
		<i>Use only when an actual mailing address is required, and is different from the address provided for any other qualifier code. Do not use if another qualifier code can be used to pass this address. When used, cite the name of the party in N102 and N2 segment, if necessary.</i>	
		61 Performed At	
		The facility where work was performed	
		88 Approver	
		Manufacturer's representative approving claim for payment	
		<i>Use to indicate the party approving a Contract Data Requirements List (CDRL).</i>	
		AE Additional Delivery Address	
		<i>Use to indicate a ship-in-place location.</i>	
		CP Party to Receive Cert. of Compliance	
		<i>Use only when the address is different from the purchasing or soliciting office or activity.</i>	
		IC Intermediate Consignee	
		<i>Use to indicate a freight forwarder.</i>	
		KX Free on Board Point	

			<i>Use to indicate another FOB point when it has been described by a specific address rather than as a code indicating either origin or destination.</i>
KY		Technical Office	
			<i>Use to identify the technical office that has cognizance over the technical portion of the solicitation, if different than the office originating the solicitation.</i>
L1		Inspection Location	
		Place where the item was viewed or inspected	
			<i>Use to identify the inspection location when it has to be described as an address rather than a location such as origin or destination.</i>
MF		Manufacturer of Goods	
			<i>Use either when offering a substitute product to identify the actual manufacturer of the item if not the bidder or if a qualification requirement applied to the solicited item to specify the manufacturer that has already met the qualification requirement applied to the solicited item.</i>
MP		Manufacturing Plant	
P1		Preparer	
		The firm, organization, or individual who determines the tax liability from information supplied by the taxpayer	
			<i>Use to indicate the preparer of a Contract Data Requirements List (CDRL).</i>
ST		Ship To	
			<i>Use to indicate the address to which an item will be shipped. For purposes of a quote, it may suffice to simply transmit the ZIP code of the location rather than the full address.</i>
SV		Service Performance Site	
		When services are contracted for, this describes the organization for whom or location address at which those services will be performed	
			<i>Use to specify the location where a service is to be performed.</i>
Z7		Mark-for Party	
		The party for whom the needed material is intended	
			<i>Use, when applicable, only when the inclusion of this address is necessary to prepare a quote. Otherwise, when applicable, include in the resulting purchase order.</i>
ZZ		Mutually Defined	
			<i>A request has been submitted to ASC X12 to add a code for Organization Having Source Control. We expect this code to be available for use in ASC X12 Version/Release 3050. In the meantime, use this code.</i>

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. Use, when applicable, to identify the named party.		
		2. A request has been submitted to ASC X12 to add a code for contractor		

establishment code. We expect this code be available for use in the ASC X12 Version/Release 3050.

3. While federal EDI uses the DUNS number, other numbers may be required for a period of transition in order to cross reference existing data bases with new procurement actions.

- | | |
|----|--|
| 1 | D-U-N-S Number, Dun & Bradstreet |
| | <i>Use of the DUNS or DUNS+4 is preferred over any other coded number to identify a named party.</i> |
| 9 | D-U-N-S+4, D-U-N-S Number with Four Character Suffix |
| | <i>Use of the DUNS or DUNS+4 is preferred over any other coded number to identify a named party.</i> |
| 10 | Department of Defense Activity Address Code (DODAAC) |
| | <i>Use to indicate a DoD or Civilian agency Activity Address Code.</i> |
| 33 | Commercial and Government Entity (CAGE) |
| | <i>Use to identify vendors with CAGE codes.</i> |
| A2 | Military Assistance Program Address Code (MAPAC) |
| | Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity |
| | <i>Use to identify a MAPAC address.</i> |
| FA | Facility Identification |
| | <i>Use to identify a vendor facility that cannot be identified by a CAGE code or DUNS number.</i> |

	N104	67	Identification Code	X	AN 2/17
			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: 430
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: *This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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: 440
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes:

This segment is not necessary when the cited party can be identified by a code value in N101/03/04.

Data Element Summary

	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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: 450
Loop: N1 Optional
Level: Detail
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 is not necessary when the cited party can be identified by a code value in N101/03/04.*

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/9
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		<i>A conversion table may be required to convert Agency codes to the codes used by ASC X12.</i>	
Not Used	N405	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
Not Used	N406	310 Location Identifier	O AN 1/30
		Code which identifies a specific location	

Segment: **PER** Administrative Communications Contact

Position: 470

Loop: N1 Optional

Level: Detail

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.

Semantic Notes:

Comments:

Notes: *Use this 2/PER/470 segment to provide a contact point at the party who has designed control or who is manufacturing an equal or substitute line item.*

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	
		ME Manufacturing	
		<i>Use to indicate the manufacturing point of contact.</i>	
		SU Supplier Contact	
		<i>Use to indicate the point of contact for a supplier who has design control over a manufactured item.</i>	
PER02	93	Name	O AN 1/35
		Free-form name	
		<i>Cite the last name first, followed by the first name. Do not truncate the last name if whole name is longer than 35 characters. Instead truncate the first name or use the initial of the first name.</i>	
PER03	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		EM Electronic Mail	
		FX Facsimile	
		IT International Telephone	
		<i>Include country code.</i>	
		TE Telephone	
		<i>Use to indicate the commercial telephone number of the named party.</i>	
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	
		<i>Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a commercial telephone number, PER05/06 can be used to cite an Electronic Mail Address.</i>	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	

EM Electronic Mail
EX Telephone Extension

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

FX Facsimile
IT International Telephone

Include country code.

TE Telephone

Use to indicate the commercial telephone number of the named party.

PER06 364 Communication Number X AN 1/80
Complete communications number including country or area code when applicable

Segment: **SCH** Line Item Schedule

Position: 485

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 200

Purpose: To specify the data for scheduling a specific line-item

Syntax Notes: 1 If SCH03 is present, then SCH04 is required.
2 If SCH09 is present, then SCH08 is required.

Semantic Notes: 1 SCH12 is the schedule identification.

Comments: 1 SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Notes: *Use this 2/SCH/485 segment to provide a different partial delivery than was specified in the solicitation and the ship-to address differs by line item.*

Data Element Summary

	Ref.	Data		Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	SCH01	380	Quantity Numeric value of quantity	M R 1/15
Must Use	SCH02	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Use any code.</i> Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 2/2
Not Used	SCH03	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O ID 2/2
Not Used	SCH04	93	Name Free-form name	X AN 1/35
Must Use	SCH05	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 063 Do Not Deliver After 064 Do Not Deliver Before 065 1st Schedule Delivery 066 1st Schedule Ship 069 Promised for Delivery 077 Requested for Delivery (Week of) 174 Month Ending	M ID 3/3
Must Use	SCH06	373	Date Date (YYMMDD)	M DT 6/6
Not Used	SCH07	337	Time 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)	O TM 4/8
	SCH08	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 063 Do Not Deliver After 064 Do Not Deliver Before 065 1st Schedule Delivery 066 1st Schedule Ship 069 Promised for Delivery 077 Requested for Delivery (Week of) 174 Month Ending	X ID 3/3

	SCH09	373	Date Date (YYMMDD)	O DT 6/6
Not Used	SCH10	337	Time 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)	O TM 4/8
Not Used	SCH11	326	Request Reference Number Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	O AN 1/45
Not Used	SCH12	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/11

Segment:	TD5 Carrier Details (Routing Sequence/Transit Time)
Position:	500
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	12
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes:	<ol style="list-style-type: none"> 1. Use this 2/TD5/500 segment when carrier details differ for named entities for a specific line item. If the carrier details are the same for all named entities for a specific line item, use the 2/TD5/250 segment. If the carrier details are the same for all the line items in the quote, use the 1/TD5/240 segment. 2. Use this segment if the bidder is proposing a different transportation method than specified in the solicitation.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement	O ID 1/2
Not Used	TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
Not Used	TD503	67	Identification Code Code identifying a party or other code	X AN 2/17
Must Use	TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment	X ID 1/2
<ol style="list-style-type: none"> 1. Use any code. 2. A conversion table may be required to convert agency codes to codes used by ASC X12. Refer to 003040 Data Element Dictionary for acceptable code values.				
Not Used	TD505	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X AN 1/35
Not Used	TD506	368	Shipment/Order Status Code 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	X ID 2/2
Not Used	TD507	309	Location Qualifier Code identifying type of location	O ID 1/2
Not Used	TD508	310	Location Identifier Code which identifies a specific location	X AN 1/30
Not Used	TD509	731	Transit Direction Code The point of origin and point of direction	O ID 2/2
Not Used	TD510	732	Transit Time Direction Qualifier Code specifying the value of time used to measure the transit time	O ID 2/2

Not Used	TD511	733	Transit Time The numeric amount of transit time	X	R 1/4
Not Used	TD512	284	Service Level Code Code defining service	X	ID 2/2

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If CTT03 is present, then CTT04 is required.
2 If CTT05 is present, then CTT06 is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	CTT01	354	Number of Line Items Total number of line items in the transaction set <i>Cite the total number of PO1 segments contained in this transaction set.</i>	M N0 1/6
	CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O R 1/10
Not Used	CTT03	81	Weight Numeric value of weight	O R 1/10
Not Used	CTT04	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
Not Used	CTT05	183	Volume Value of volumetric measure	O R 1/8
Not Used	CTT06	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
Not Used	CTT07	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **AMT** Monetary Amount
Position: 015
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code Code to qualify amount	M ID 1/2
			TT Total Transaction Amount	
			<i>Use to indicate the total amount of the quote.</i>	
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/15

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

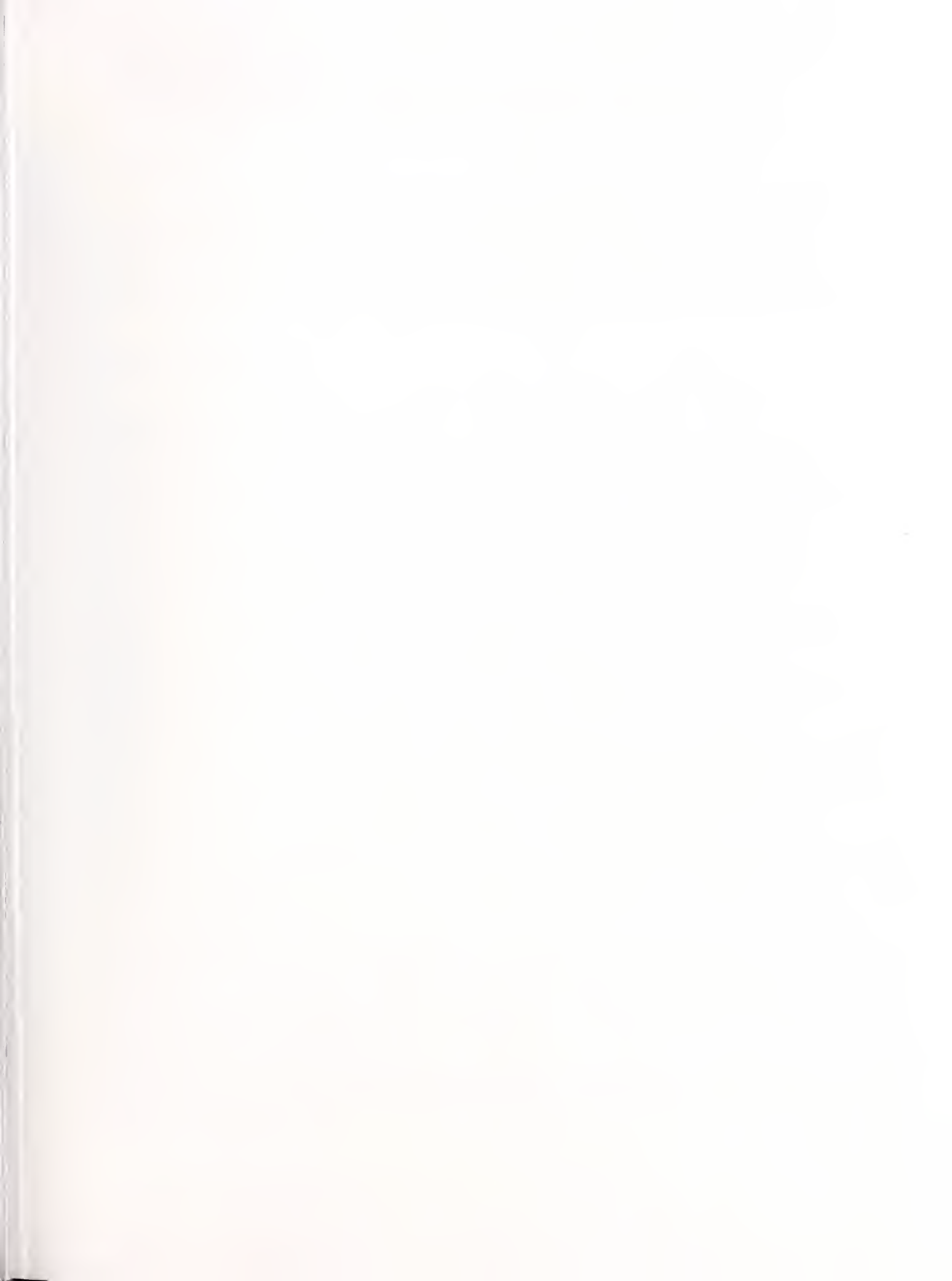
	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set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

Region
Country
City
State
Zip
Phone

Order Form
Customer Name
Address

Must Use
1-800-555-1234

1-800-555-1234
1-800-555-1234



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.

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

Official Business
Penalty for Private Use \$300