

# 840 Request for Quotation

Functional Group ID=**RQ**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Request for Quotation Transaction Set (840) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide potential buyers with the ability to solicit price, delivery schedule, and other items from potential sellers of goods and services.

## Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BQT	Beginning Segment for Request for Quotation	M	1		
Not Used	030	NTE	Note/Special Instruction	F	100		
Not Used	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	>1		
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	>1		
Not Used	095	PAM	Period Amount	O	10		
	110	CSH	Header Sale Condition	O	25		
Not Used	120	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
Not Used	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		n1
	190	PID	Product/Item Description	O	200		
	200	MEA	Measurements	O	40		
Not Used	210	PWK	Paperwork	O	25		
Not Used	220	PKG	Marking, Packaging, Loading	O	200		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	250	TD3	Carrier Details (Equipment)	O	12		
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	270	MAN	Marks and Numbers	O	10		
	280	RRA	Required Response	O	100		
<b>LOOP ID - N9</b>						<b>1000</b>	
	290	N9	Reference Number	O	1		
	300	MSG	Message Text	O	1000		
<b>LOOP ID - N1</b>						<b>10000</b>	
	310	N1	Name	O	1		
	320	N2	Additional Name Information	O	2		
	330	N3	Address Information	O	2		

	340	N4	Geographic Location	O	>1
Not Used	350	REF	Reference Numbers	O	12
	360	PER	Administrative Communications Contact	O	>1
Not Used	370	FOB	F.O.B. Related Instructions	O	1
Not Used	380	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	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	200
Not Used	430	RRA	Required Response	O	25
<b>LOOP ID - SPI</b>					<b>1</b>
Not Used	440	SPI	Specification Identifier	O	1
Not Used	450	REF	Reference Numbers	O	5
Not Used	460	DTM	Date/Time Reference	O	5
Not Used	470	MSG	Message Text	O	50
<b>LOOP ID - N1</b>					<b>20</b>
Not Used	490	N1	Name	O	1
Not Used	500	N2	Additional Name Information	O	2
Not Used	510	N3	Address Information	O	2
Not Used	520	N4	Geographic Location	O	1
Not Used	530	REF	Reference Numbers	O	20
Not Used	540	G61	Contact	O	1
Not Used	550	MSG	Message Text	O	50
<b>LOOP ID - CB1</b>					<b>&gt;1</b>
Not Used	560	CB1	Contract and Cost Accounting Standards Data	O	1
Not Used	570	REF	Reference Numbers	O	20
Not Used	580	DTM	Date/Time Reference	O	5
Not Used	590	LDT	Lead Time	O	1
Not Used	600	MSG	Message Text	O	50

### Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
<b>LOOP ID - PO1</b>						<b>100000</b>	
Must Use	010	PO1	Baseline Item Data	M	1		
Not Used	020	CUR	Currency	O	1		
Not Used	025	CN1	Contract Information	O	1		
	030	PO3	Additional Item Detail	O	25		
Not Used	040	CTP	Pricing Information	O	>1		
Not Used	045	PAM	Period Amount	O	10		
	049	MEA	Measurements	O	40		
<b>LOOP ID - PID</b>						<b>1000</b>	
	050	PID	Product/Item Description	O	1		
Not Used	060	MEA	Measurements	O	10		
Not Used	070	PWK	Paperwork	O	25		
	080	PKG	Marking, Packaging, Loading	O	200		
	090	PO4	Item Physical Details	O	>1		
	100	REF	Reference Numbers	O	>1		

Not Used	110	PER	Administrative Communications Contact	O	3	
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25	
Not Used	140	IT8	Conditions of Sale	O	25	
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
Not Used	160	DIS	Discount Detail	O	20	
Not Used	170	TAX	Tax Reference	O	3	
Not Used	180	FOB	F.O.B. Related Instructions	O	>1	
Not Used	190	SDQ	Destination Quantity	O	50	
Not Used	200	DTM	Date/Time Reference	O	10	
Not Used	230	FST	Forecast Schedule	O	>1	
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1	
Not Used	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	260	TD3	Carrier Details (Equipment)	O	12	
Not Used	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	RRA	Required Response	O	25	
Not Used	295	MSG	Message Text	O	1000	
Not Used	296	SPI	Specification Identifier	O	>1	
LOOP ID - SCH					104	
Not Used	297	SCH	Line Item Schedule	O	1	n2
Not Used	298	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	299	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	300	TD3	Carrier Details (Equipment)	O	12	
Not Used	301	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
LOOP ID - LDT					>1	
	302	LDT	Lead Time	O	1	
Not Used	303	QTY	Quantity	O	>1	
Not Used	304	MSG	Message Text	O	1	
LOOP ID - LM					1	
Not Used	305	LM	Code Source Information	O	1	
Not Used	306	LQ	Industry Code	M	1	
LOOP ID - SLN					1000	
Not Used	308	SLN	Subline Item Detail	O	1	
Not Used	310	PID	Product/Item Description	O	1000	
LOOP ID - N9					1000	
	320	N9	Reference Number	O	1	
	330	MSG	Message Text	O	1000	
LOOP ID - N1					>1	
	340	N1	Name	O	1	
	350	N2	Additional Name Information	O	2	
	360	N3	Address Information	O	2	
	370	N4	Geographic Location	O	1	
Not Used	380	REF	Reference Numbers	O	12	
Not Used	390	PER	Administrative Communications Contact	O	3	
Not Used	400	FOB	F.O.B. Related Instructions	O	1	
Not Used	405	SCH	Line Item Schedule	O	200	
Not Used	410	TD1	Carrier Details (Quantity and Weight)	O	2	

Not Used	420	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	430	TD3	Carrier Details (Equipment)	O	12
Not Used	440	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	450	PKG	Marking, Packaging, Loading	O	200
Not Used	460	RRA	Required Response	O	25
Not Used	465	CTP	Pricing Information	O	1
Not Used	469	PAM	Period Amount	O	10
LOOP ID - LDT					>1
Not Used	470	LDT	Lead Time	O	1
Not Used	480	MAN	Marks and Numbers	O	10
Not Used	490	QTY	Quantity	O	5
Not Used	500	MSG	Message Text	O	1000

**Summary:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	CTT	Transaction Totals	M	1		n3
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. The 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**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 840 X12.7 Request for Quotation	<b>M ID 3/3</b>
>>	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	<b>M AN 4/9</b>

**Segment:** **BQT** Beginning Segment for Request for Quotation

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of a Request for Quotation Transaction Set and transmit identifying numbers and dates

**Syntax Notes:** 1 If either BQT04 or BQT05 is present, then the other is required.

**Semantic Notes:** 1 BQT03 is the date to be used for reference purposes in an RFQ and a response to RFQ.

**Comments:**

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>>	<b>BQT01</b>	<b>353</b> <b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set Use to identify the purpose of the transaction set.	<b>M ID 2/2</b>
		00 Original	
		01 Cancellation	
		07 Duplicate	
		17 Cancel, to be Reissued	
		18 Reissue	
>>	<b>BQT02</b>	<b>586</b> <b>Request for Quote Reference Number</b> Number assigned by the purchaser to identify his request for quote Use to identify the unique number assigned to the solicitation. If this is an amendment to a solicitation (BQT01 is either Code 18 (if the original solicitation number is retained) and BQT07 is Code 06), the solicitation number and amendment number will be concatenated.	<b>M AN 1/45</b>
>>	<b>BQT03</b>	<b>373</b> <b>Date</b> Date (YYMMDD) Use to identify either the date of the solicitation (when BQT01 is one of codes 00, 01, 07, 17, 18 (if a new solicitation number is used), or 22); the date of the amendment (when BQT01 is code 18 if the original solicitation number is retained)	<b>M DT 6/6</b>
X	<b>BQT04</b>	<b>374</b> <b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time Refer to 003050 Data Element Dictionary for acceptable code values.	<b>X ID 3/3</b>
X	<b>BQT05</b>	<b>373</b> <b>Date</b> Date (YYMMDD)	<b>X DT 6/6</b>
	<b>BQT06</b>	<b>92</b> <b>Purchase Order Type Code</b> Code specifying the type of Purchase Order	<b>O ID 2/2</b>
		KC Contract A legally binding document wherein one party agrees to provide supplies or services and another party agrees to provide compensation for the supplies or services	
		KN Purchase Order Procurement instrument within the small purchasing threshold	
		RL Release or Delivery Order An order for goods and services placed against a pre-existing contract or blanket order	

	<b>BQT07</b>	<b>960</b>	<b>Request for Quote Type Code</b>	<b>O ID 2/2</b>
			Code specifying the type of request for quote	
			01 Request For Quote	
	<b>BQT08</b>	<b>1166</b>	<b>Contract Type Code</b>	<b>O ID 2/2</b>
			Code identifying a contract type	
			FR Firm Fixed Price	
<b>X</b>	<b>BQT09</b>	<b>786</b>	<b>Security Level Code</b>	<b>O ID 2/2</b>
			Code indicating the level of confidentiality assigned by the sender to the information following	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>BQT10</b>	<b>1232</b>	<b>Purchase Category</b>	<b>O ID 2/2</b>
			Code identifying the broad category of products or services being acquired	
			Refer to 003050 Data Element Dictionary for acceptable code values.	

**Segment:** **REF** Reference Numbers  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**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 reference numbers that apply to all of the line items. If the reference numbers vary by line item, use the 2/REF/100 segment.  
 2. There must be one occurrence of this REF segment in all transmissions when BQT01 is code 00, 07, or 18, with REF01 citing code IJ.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>> REF01	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. DG Drawing Number DS Defense Priorities Allocation System (DPAS) Priority Rating IJ Standard Industry Classification (SIC) Code NI Military Standard (MIL-STD) Number RQ Purchase Requisition No. S2 Military Specification Number (MILSPEC) S3 Specification Number	M ID 2/2
REF02	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. If a document has a revision or extension, the document number and the revision or extension number will be concatenated and cited in this data element.	X AN 1/30
REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80

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

**Data Element Summary**

Ref.	Data			<u>Attributes</u>	
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>M</u>	<u>ID</u>
>>	<b>FOB01</b>	<b>146</b>	<b>Shipment Method of Payment</b>	<b>M</b>	<b>ID 2/2</b>
			Code identifying payment terms for transportation charges		
		PP	Prepaid (by Seller)		
			Use to indicate that transportation charges are not included in the unit price but are prepaid and are to be added as a separate item on this instrument's invoice.		
		PS	Paid by Seller		
			The seller agrees to the transportation payment term requiring the seller to pay transportation charges to a specified location (origin or destination location)		
			Use to indicate transportation charges are included in the unit price.		
	<b>FOB02</b>	<b>309</b>	<b>Location Qualifier</b>	<b>X</b>	<b>ID 1/2</b>
			Code identifying type of location		
		DE	Destination (Shipping)		
		OR	Origin (Shipping Point)		
<b>X</b>	<b>FOB03</b>	<b>352</b>	<b>Description</b>	<b>O</b>	<b>AN 1/80</b>
			A free-form description to clarify the related data elements and their content		
<b>X</b>	<b>FOB04</b>	<b>334</b>	<b>Transportation Terms Qualifier Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code identifying the source of the transportation terms		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
<b>X</b>	<b>FOB05</b>	<b>335</b>	<b>Transportation Terms Code</b>	<b>X</b>	<b>ID 3/3</b>
			Code identifying the trade terms which apply to the shipment transportation responsibility		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
	<b>FOB06</b>	<b>309</b>	<b>Location Qualifier</b>	<b>X</b>	<b>ID 1/2</b>
			Code identifying type of location		
			Identifies the acceptance/inspection point.		
		DE	Destination (Shipping)		
		OR	Origin (Shipping Point)		
<b>X</b>	<b>FOB07</b>	<b>352</b>	<b>Description</b>	<b>O</b>	<b>AN 1/80</b>

<b>X</b>	<b>FOB08</b>	<b>54</b>	<p>A free-form description to clarify the related data elements and their content</p> <p><b>Risk of Loss Qualifier</b> <b>O ID 2/2</b></p> <p>Code specifying where responsibility for risk of loss passes</p> <p>Refer to 003050 Data Element Dictionary for acceptable code values.</p>
<b>X</b>	<b>FOB09</b>	<b>352</b>	<p><b>Description</b> <b>X AN 1/80</b></p> <p>A free-form description to clarify the related data elements and their content</p>

**Segment:** **CSH** Header Sale Condition  
**Position:** 110  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 25  
**Purpose:** To specify general conditions or requirements of the sale  
**Syntax Notes:** 1 If CSH02 is present, then CSH03 is required.  
2 If either CSH06 or CSH07 is present, then the other is required.  
**Semantic Notes:** 1 CSH03 is the maximum monetary amount value which the order must not exceed.  
2 CSH04 is the account number to which the purchase amount is to be charged.  
3 CSH05 is the date specified by the sender to be shown on the invoice.  
4 CSH06 identifies the source of the code value in CSH07.  
5 CSH09 is the percent of the Set-Aside.  
**Comments:**  
**Notes:** Use this 1/CSH/110 segment to identify conditions of sale that apply to all of the line items. If there are conditions of sale that apply to a specific line item, use the 2/IT8/140 segment.

**Data Element Summary**

Ref.	Des.	Data Element	Name	Attributes		
				O	ID	
	CSH01	563	<b>Sales Requirement Code</b> Code to identify a specific requirement or agreement of sale K Small Purchase Set Aside for Small Businesses A procurement action that has been reserved for (set aside for) businesses classified as "small business" UP Unrestricted Procurement	O	ID	1/2
X	CSH02	564	<b>Do-Not-Exceed Action Code</b> Code indicating the action to be taken if the order amount exceeds the value of Do-Not-Exceed Amount (565) Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	1/1
X	CSH03	610	<b>Amount</b> Monetary amount	X	N2	1/15
X	CSH04	508	<b>Account Number</b> Account number assigned	O	AN	1/35
X	CSH05	373	<b>Date</b> Date (YYMMDD)	O	DT	6/6
X	CSH06	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values Refer to 003050 Data Element Dictionary for acceptable code values.	X	ID	2/2
X	CSH07	560	<b>Special Services Code</b> Code identifying the special service Refer to 003050 Data Element Dictionary for acceptable code values.	X	ID	2/10
	CSH08	566	<b>Product/Service Substitution Code</b> Code indicating product or service substitution conditions B0 No Substitution Allowed	O	ID	1/2
X	CSH09	954	<b>Percent</b> Percentage expressed as a decimal	O	R	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:**

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	DTM01	374 <b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 997 Quote to be Recieved By A date on which or before a quote must be received at a location specified in an RFQ Use to indicate the date and time for quote receipt.	<b>M ID 3/3</b>
	DTM02	373 <b>Date</b> Date (YYMMDD)	<b>X DT 6/6</b>
	DTM03	337 <b>Time</b> 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) Use to identify the time of bid receipt.	<b>X TM 4/8</b>
	DTM04	623 <b>Time Code</b> 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 ET Eastern Time	<b>O ID 2/2</b>
	DTM05	624 <b>Century</b> The first two characters in the designation of the year (CCYY)	<b>O N0 2/2</b>
X	DTM06	1250 <b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format Refer to 003050 Data Element Dictionary for acceptable code values.	<b>X ID 2/3</b>
X	DTM07	1251 <b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times	<b>X AN 1/35</b>

**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.

**Data Element Summary**

Ref.	Data	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	LDT01	345	<b>Lead Time Code</b> Code indicating the time range	<b>M ID 2/2</b>
			AT From Bid Opening to Expiration of Bid Use to specify the time period for which the submitted quote must remain valid with the bid opening date as the basis.	
			AU From Required-By Date to Expiration Date Use to specify the time period the submitted quote must remain valid with the bid receipt date as the basis.	
			AY From Date of Award to Date of Delivery	
>>	LDT02	380	<b>Quantity</b> Numeric value of quantity	<b>M R 1/15</b>
>>	LDT03	344	<b>Unit of Time Period or Interval</b> Code indicating the time period or interval Refer to 003050 Data Element Dictionary for acceptable code values.	<b>M ID 2/2</b>
X	LDT04	373	<b>Date</b> Date (YYMMDD)	<b>O DT 6/6</b>

**Segment:** **PID** Product/Item Description  
**Position:** 190  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 200  
**Purpose:** To describe a product or process in coded or free-form format  
**Syntax Notes:**

- 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:**

- 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:**

- 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:** This segment provides a description of the requested items/material that applies to all of the line items. When the descriptions vary by line item, the description will be provided in segment 2/PID/050.

#### Data Element Summary

Ref.	Data							
	<u>Des.</u>	<u>Element</u>	<u>Name</u>			<u>Attributes</u>		
>>	PID01	349	<b>Item Description Type</b>	Code indicating the format of a description Refer to 003050 Data Element Dictionary for acceptable code values.		M	ID	1/1
X	PID02	750	<b>Product/Process Characteristic Code</b>	Code identifying the general class of a product or process characteristic Refer to 003050 Data Element Dictionary for acceptable code values.		O	ID	2/3
X	PID03	559	<b>Agency Qualifier Code</b>	Code identifying the agency assigning the code values Refer to 003050 Data Element Dictionary for acceptable code values.		X	ID	2/2
X	PID04	751	<b>Product Description Code</b>	A code from an industry code list which provides specific data about a product characteristic		X	AN	1/12
	PID05	352	<b>Description</b>	A free-form description to clarify the related data elements and their content		X	AN	1/80
X	PID06	752	<b>Surface/Layer/Position Code</b>	Code indicating the product surface, layer or position that is being described Refer to 003050 Data Element Dictionary for acceptable code values.		O	ID	2/2
X	PID07	822	<b>Source Subqualifier</b>	A reference that indicates the table or text maintained by the Source Qualifier		O	AN	1/15
X	PID08	1073	<b>Yes/No Condition or Response Code</b>	Code indicating a Yes or No condition or response Refer to 003050 Data Element Dictionary for acceptable code values.		O	ID	1/1

**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:**

- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
- 2 If MEA05 is present, then MEA04 is required.
- 3 If MEA06 is present, then MEA04 is required.
- 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
- 5 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.

### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
MEA01	737	<b>Measurement Reference ID Code</b> Code identifying the broad category to which a measurement applies CS Core Size When REF01 is Code IJ, use to indicate the size standard for the cited SIC code.	O ID 2/2
MEA02	738	<b>Measurement Qualifier</b> Code identifying a specific product or process characteristic to which a measurement applies MX Maximum Indicates the maximum size standard applicable to the SIC code specified in the REF segment.	O ID 1/3
MEA03	739	<b>Measurement Value</b> The value of the measurement	X R 1/20
MEA04	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure(See Figures Appendix for examples of use.)	X
>>	C00101	<b>355 Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken IE Person When MEA01 is code CS, indicates the SIC size standard in terms of number of employees.	M ID 2/2
X	C00102	<b>1018 Exponent</b> Power to which a unit is raised	O R 1/15
X	C00103	<b>649 Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00104	<b>355 Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2
X	C00105	<b>1018 Exponent</b> Power to which a unit is raised	O R 1/15
X	C00106	<b>649 Multiplier</b>	O R 1/10

			Value to be used as a multiplier to obtain a new value			
X	C00107	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/2
X	C00108	1018	<b>Exponent</b> Power to which a unit is raised	O	R	1/15
X	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R	1/10
X	C00110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/2
X	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O	R	1/15
X	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R	1/10
X	C00113	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/2
X	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O	R	1/15
X	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R	1/10
X	MEA05	740	<b>Range Minimum</b> The value specifying the minimum of the measurement range	X	R	1/20
X	MEA06	741	<b>Range Maximum</b> The value specifying the maximum of the measurement range	X	R	1/20
X	MEA07	935	<b>Measurement Significance Code</b> Code used to benchmark, qualify or further define a measurement value Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/2
X	MEA08	936	<b>Measurement Attribute Code</b> Code used to express an attribute response when a numeric measurement value cannot be determined Refer to 003050 Data Element Dictionary for acceptable code values.	X	ID	2/2
X	MEA09	752	<b>Surface/Layer/Position Code</b> Code indicating the product surface, layer or position that is being described Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/2
X	MEA10	1373	<b>Measurement Method or Device</b> The method or device used to record the measurement Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/4

**Segment:** **RRA** Required Response  
**Position:** 280  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 100  
**Purpose:** To indicate information that is required to be included in the response  
**Syntax Notes:**  
**Semantic Notes:** 1 Use RRA02 only to specify applicable regulatory or contractual clause.  
**Comments:**  
**Notes:**

This segment is used to indicate that specific information must be provided with their proposal, e.g., a certification, a representation or other information.

**Data Element Summary**

Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
>> RRA01	701	Information Type	M	ID	2/2
		Code specifying the information required in the response			
		14			As Indicated by the Cited Reference
					Indicates the reference number that requires an offeror to provide a certification, representation or other information. This reference number will be a clause number or some unique reference number previously provided to offerors
RRA02	127	Reference Number	O	AN	1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			

**Segment:** **N9** Reference Number  
**Position:** 290  
**Loop:** N9  
**Level:** Heading  
**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:** Use this 1/N9/290 loop to identify various clauses (e.g., FAR, DFAR, DLAR, or other clauses), special instructions or other references which are applicable to the entire solicitation. If the information varies by line item, use the 2/N9/320 loop.

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			M	ID	2/2
>> N901	128	Reference Number Qualifier Code qualifying the Reference Number.			
		CJ Clause Number Indicates a purchasing activity clause (i.e., a clause not found in FAR/DFARS, etc.). The purchasing activity issuing the clause will be identified in N903.			
		DF Defense Federal Acquisition Regulations (DFAR)			
		DX Department/Agency Number Indicates and Agency clause with the Agency identified in N903.			
		FA Federal Acquisition Regulations (FAR)			
		KD Special Instructions Number Indicates a special instruction provided by the agency or purchasing activity identified in N903.			
		KY Site Specific Procedures, Terms, and Conditions A set of procedures, terms, and conditions, applicable to a category of procurement emanating from a specific location, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents Indicates a clause included in a master solicitation.			
		KZ Master Solicitation Procedures, Terms, and Conditions A set of standard procedures, terms, and conditions, applicable to a category of procurement, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents Indicates the Master Solicitation number that contains terms and conditions applicable to this solicitation.			
N902	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
N903	369	Free-form Description Free-form descriptive text	X	AN	1/45
N904	373	Date	O	DT	6/6

			Date (YYMMDD)	
X	N905	337	<b>Time</b>	<b>X TM 4/8</b>
			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)	
X	N906	623	<b>Time Code</b>	<b>O ID 2/2</b>
			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	
			Refer to 003050 Data Element Dictionary for acceptable code values.	

**Segment:** **MSG** Message Text  
**Position:** 300  
**Loop:** N9  
**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 segment to carry the title or full text of any clause, if it is required, or another solicitation reference associated with the number cited in N902.

2. This segment is also used to carry clause fill-in information if that information is not provided elsewhere within the transaction set. When providing fill-in information, the clause title, if cited, and the alternate identifier and date, if applicable, will be the first data provided. This data will be followed by a numeric designation of the fill-ins being provided. Each fill-in will be preceded by the paragraph or section identifier in the clause where the fill-in information is to be inserted (if identifiers are included in the clause). If there is no paragraph or section designator, the required information will immediately follow the numeric designation of the fill-ins being provided.

3. A pipe sign (|) will be inserted after each data item. As an example, the fill-in information required by FAR 52.212-3 will be provided as follows:

Commencement, Prosecution, and Completion of Work| Alternative I (Apr 1984)| 3| (a) 30| (c) Sep 30, 1995| Jan 15, 1995|

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
>>	MSG01	933 <b>Free-Form Message Text</b> Free-form message text	M AN 1/264
X	MSG02	934 <b>Printer Carriage Control Code</b> A field to be used for the control of the line feed of the receiving printer Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2

**Segment:** **N1** Name  
**Position:** 310  
**Loop:** N1  
**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.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	<b>N101</b>	<b>98 Entity Identifier Code</b>	<b>M ID 2/2</b>
		Code identifying an organizational entity, a physical location, or an individual	
		7M Inspection and Acceptance Location	
		BY Buying Party (Purchaser)	
		KZ Acceptance Location	
			Indicates the acceptance point is other than origin or destination.
		L1 Inspection Location	
			Place where the item was viewed or inspected
			Indicates the inspection location when it is other than origin or destination.
		XP Party to Receive Solicitation	
	<b>N102</b>	<b>93 Name</b>	<b>X AN 1/35</b>
		Free-form name	
	<b>N103</b>	<b>66 Identification Code Qualifier</b>	<b>X ID 1/2</b>
		Code designating the system/method of code structure used for Identification Code (67)	
		10 Department of Defense Activity Address Code (DODAAC)	
		33 Commercial and Government Entity (CAGE)	
	<b>N104</b>	<b>67 Identification Code</b>	<b>X AN 2/20</b>
		Code identifying a party or other code	
<b>X</b>	<b>N105</b>	<b>706 Entity Relationship Code</b>	<b>O ID 2/2</b>
		Code describing entity relationship	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>N106</b>	<b>98 Entity Identifier Code</b>	<b>O ID 2/2</b>
		Code identifying an organizational entity, a physical location, or an individual	
		Refer to 003050 Data Element Dictionary for acceptable code values.	

**Segment:** N2 Additional Name Information  
**Position:** 320  
**Loop:** N1  
**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:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	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  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**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>
>>	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:** 340  
**Loop:** N1  
**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.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/11
N404	26	Country Code Code identifying the country	O ID 2/3
N405	309	Location Qualifier Code identifying type of location AR Armed Services Location Designation Indicates an Army Post Office (APO) or a Fleet Post Office (FPO).	X ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O AN 1/30

**Segment:** **PER** Administrative Communications Contact  
**Position:** 360  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	PER01	366 <b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named BD Buyer Name or Department	M ID 2/2
	PER02	93 <b>Name</b> Free-form name	O AN 1/35
	PER03	365 <b>Communication Number Qualifier</b> Code identifying the type of communication number TE Telephone	X ID 2/2
	PER04	364 <b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80
	PER05	365 <b>Communication Number Qualifier</b> Code identifying the type of communication number FX Facsimile	X ID 2/2
	PER06	364 <b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80
X	PER07	365 <b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2
X	PER08	364 <b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80
X	PER09	443 <b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O AN 1/20

**Segment:** **PO1** **Baseline Item Data**  
**Position:** 010  
**Loop:** PO1  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify basic and most frequently used line item data  
**Syntax Notes:**

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

**Semantic Notes:**

**Comments:**

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

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
PO101	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/11
PO102	330	<b>Quantity Ordered</b> Quantity ordered Specifies the quantity of the item being solicited. If prices for step ladder quantities are being solicited, PO102 will cite the base quantity that is being solicited and the step ladder quantities will be cited in the 2/CTP/040 segment.	X R 1/9
PO103	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2
X	PO104	212 <b>Unit Price</b> Price per unit of product, service, commodity, etc.	X R 1/17
X	PO105	639 <b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2
PO106	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) FS National Stock Number MG Manufacturer's Part Number The manufacturer's CAGE code will be cited in the next 235/234 pair identified with code ZB.	X ID 2/2
PO107	234	<b>Product/Service ID</b>	X AN 1/40

			Identifying number for a product or service			
<b>PO108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>		<b>X</b>	<b>ID</b>	<b>2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		MG	Manufacturer's Part Number			
			The manufacturer's CAGE code will be cited in the next 235/234 pair identified with code ZB.			
		ZB	Commercial and Government Entity (CAGE) Code			
			A code that identifies a commercial contractor authorized to do business with the U.S. government			
<b>PO109</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>AN</b>	<b>1/40</b>
			Identifying number for a product or service			
<b>PO110</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>		<b>X</b>	<b>ID</b>	<b>2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		MG	Manufacturer's Part Number			
			The manufacturer's CAGE code will be cited in the next 235/234 pair identified with code ZB.			
		ZB	Commercial and Government Entity (CAGE) Code			
			A code that identifies a commercial contractor authorized to do business with the U.S. government			
<b>PO111</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>AN</b>	<b>1/40</b>
			Identifying number for a product or service			
<b>PO112</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>		<b>X</b>	<b>ID</b>	<b>2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		MG	Manufacturer's Part Number			
			The manufacturer's CAGE code will be cited in the next 235/234 pair identified with code ZB.			
		ZB	Commercial and Government Entity (CAGE) Code			
			A code that identifies a commercial contractor authorized to do business with the U.S. government			
<b>PO113</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>AN</b>	<b>1/40</b>
			Identifying number for a product or service			
<b>PO114</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>		<b>X</b>	<b>ID</b>	<b>2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		MG	Manufacturer's Part Number			
			The manufacturer's CAGE code will be cited in the next 235/234 pair identified with code ZB.			
		ZB	Commercial and Government Entity (CAGE) Code			
			A code that identifies a commercial contractor authorized to do business with the U.S. government			
<b>PO115</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X</b>	<b>AN</b>	<b>1/40</b>
			Identifying number for a product or service			
<b>PO116</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>		<b>X</b>	<b>ID</b>	<b>2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		MG	Manufacturer's Part Number			
			The manufacturer's CAGE code will be cited in the next 235/234 pair identified with code ZB.			
		ZB	Commercial and Government Entity (CAGE) Code			
			A code that identifies a commercial contractor authorized to do business with the U.S. government			

<b>PO117</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
		Identifying number for a product or service	
<b>PO118</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
	MG	Manufacturer's Part Number	
		The manufacturer's CAGE code will be cited in the next 235/234 pair identified with code ZB.	
	ZB	Commercial and Government Entity (CAGE) Code	
		A code that identifies a commercial contractor authorized to do business with the U.S. government	
<b>PO119</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
		Identifying number for a product or service	
<b>PO120</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
	MG	Manufacturer's Part Number	
		The manufacturer's CAGE code will be cited in the next 235/234 pair identified with code ZB.	
	ZB	Commercial and Government Entity (CAGE) Code	
		A code that identifies a commercial contractor authorized to do business with the U.S. government	
<b>PO121</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
		Identifying number for a product or service	
<b>PO122</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
	MG	Manufacturer's Part Number	
		The manufacturer's CAGE code will be cited in the next 235/234 pair identified with code ZB.	
	ZB	Commercial and Government Entity (CAGE) Code	
		A code that identifies a commercial contractor authorized to do business with the U.S. government	
<b>PO123</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
		Identifying number for a product or service	
<b>PO124</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
	ZB	Commercial and Government Entity (CAGE) Code	
		A code that identifies a commercial contractor authorized to do business with the U.S. government	
<b>PO125</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
		Identifying number for a product or service	

**Segment:** **PO3 Additional Item Detail**  
**Position:** 030  
**Loop:** PO1  
**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.

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
>>	<b>PO301</b>	<b>371</b>	<b>Change Reason Code</b> Code specifying the reason for price or quantity change AQ Alternate Quantity and Unit of Measure	<b>M ID 2/2</b>
X	<b>PO302</b>	<b>373</b>	<b>Date</b> Date (YYMMDD)	<b>O DT 6/6</b>
X	<b>PO303</b>	<b>236</b>	<b>Price Identifier Code</b> Code identifying pricing specification Refer to 003050 Data Element Dictionary for acceptable code values.	<b>X ID 3/3</b>
X	<b>PO304</b>	<b>212</b>	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	<b>O R 1/17</b>
X	<b>PO305</b>	<b>639</b>	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item Refer to 003050 Data Element Dictionary for acceptable code values.	<b>X ID 2/2</b>
>>	<b>PO306</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>M R 1/15</b>
>>	<b>PO307</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	<b>M ID 2/2</b>
X	<b>PO308</b>	<b>352</b>	<b>Description</b> A free-form description to clarify the related data elements and their content	<b>O AN 1/80</b>

**Segment:** **MEA** Measurements

**Position:** 049

**Loop:** PO1

**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:**
- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
  - 2 If MEA05 is present, then MEA04 is required.
  - 3 If MEA06 is present, then MEA04 is required.
  - 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
  - 5 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.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
X	MEA01	737	<b>Measurement Reference ID Code</b> Code identifying the broad category to which a measurement applies Refer to 003050 Data Element Dictionary for acceptable code values.	<b>O ID 2/2</b>
	MEA02	738	<b>Measurement Qualifier</b> Code identifying a specific product or process characteristic to which a measurement applies 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%) Indicates the variation of quantity permitted expressed as a percent of the quantity ordered. The percent under and/or over is specified in MEA05/06.	<b>O ID 1/3</b>
X	MEA03	739	<b>Measurement Value</b> The value of the measurement	<b>X R 1/20</b>
	MEA04	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure(See Figures Appendix for examples of use.)	<b>X</b>
>>	C00101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken P1 Percent	<b>M ID 2/2</b>
X	C00102	1018	<b>Exponent</b> Power to which a unit is raised	<b>O R 1/15</b>
X	C00103	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	<b>O R 1/10</b>
X	C00104	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	<b>O ID 2/2</b>
X	C00105	1018	<b>Exponent</b> Power to which a unit is raised	<b>O R 1/15</b>
X	C00106	649	<b>Multiplier</b>	<b>O R 1/10</b>

X	C00107	355	Value to be used as a multiplier to obtain a new value <b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/2
X	C00108	1018	<b>Exponent</b> Power to which a unit is raised	O	R	1/15
X	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R	1/10
X	C00110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/2
X	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O	R	1/15
X	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R	1/10
X	C00113	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/2
X	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O	R	1/15
X	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R	1/10
	MEA05	740	<b>Range Minimum</b> The value specifying the minimum of the measurement range 1. Specifies the variation in quantity under. 2. Percents will be cited as follows: 4.25% will be cited as 4.25; 3% will be cited as 3 (leading and trailing zeros are suppressed).	X	R	1/20
	MEA06	741	<b>Range Maximum</b> The value specifying the maximum of the measurement range 1. Specifies the variation in quantity over. 2. Percents will be cited as follows: 4.25% will be cited as 4.25; 3% will be cited as 3 (leading and trailing zeros are suppressed).	X	R	1/20
X	MEA07	935	<b>Measurement Significance Code</b> Code used to benchmark, qualify or further define a measurement value Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/2
X	MEA08	936	<b>Measurement Attribute Code</b> Code used to express an attribute response when a numeric measurement value cannot be determined Refer to 003050 Data Element Dictionary for acceptable code values.	X	ID	2/2
X	MEA09	752	<b>Surface/Layer/Position Code</b> Code indicating the product surface, layer or position that is being described Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/2
X	MEA10	1373	<b>Measurement Method or Device</b> The method or device used to record the measurement Refer to 003050 Data Element Dictionary for acceptable code values.	O	ID	2/4

**Segment:** **PID** Product/Item Description  
**Position:** 050  
**Loop:** PID  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To describe a product or process in coded or free-form format  
**Syntax Notes:**

- 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:**

- 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:**

- 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.

**Data Element Summary**

Ref.	Data	Attributes		
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
>>	<b>PID01</b>	<b>349</b>	<b>Item Description Type</b>	<b>M ID 1/1</b>
			Code indicating the format of a description	
			F Free-form	
X	<b>PID02</b>	<b>750</b>	<b>Product/Process Characteristic Code</b>	<b>O ID 2/3</b>
			Code identifying the general class of a product or process characteristic	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
X	<b>PID03</b>	<b>559</b>	<b>Agency Qualifier Code</b>	<b>X ID 2/2</b>
			Code identifying the agency assigning the code values	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
X	<b>PID04</b>	<b>751</b>	<b>Product Description Code</b>	<b>X AN 1/12</b>
			A code from an industry code list which provides specific data about a product characteristic	
	<b>PID05</b>	<b>352</b>	<b>Description</b>	<b>X AN 1/80</b>
			A free-form description to clarify the related data elements and their content	
X	<b>PID06</b>	<b>752</b>	<b>Surface/Layer/Position Code</b>	<b>O ID 2/2</b>
			Code indicating the product surface, layer or position that is being described	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
X	<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O AN 1/15</b>
			A reference that indicates the table or text maintained by the Source Qualifier	
X	<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O ID 1/1</b>
			Code indicating a Yes or No condition or response	
			Refer to 003050 Data Element Dictionary for acceptable code values.	

**Segment:** **PKG** Marking, Packaging, Loading  
**Position:** 080  
**Loop:** PO1  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 200  
**Purpose:** To describe marking, packaging, loading, and unloading requirements  
**Syntax Notes:**

- 1 At least one of PKG04 PKG05 or PKG06 is required.
- 2 If PKG04 is present, then PKG03 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:**

- 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:** Packaging information such as the number of items in a unit container, the number of unit containers in an intermediate container, and the gross weight, cube and dimensions of a unit container or an intermediate container, is carried in the 2/PO4/090 segment.

#### Data Element Summary

Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
PKG01	349	<b>Item Description Type</b>	X	ID	1/1
		Code indicating the format of a description Refer to 003050 Data Element Dictionary for acceptable code values.			
PKG02	753	<b>Packaging Characteristic Code</b>	O	ID	1/5
		Code specifying the marking, packaging, loading and related characteristics being described			
		CD Cleaning or Drying Procedure			
		CT Cushioning Thickness			
		CUD Cushioning and Dunnage			
		HM Hazardous Material			
		IC Intermediate Container			
		LP Level Of Preservation			
		OPI Optional Procedure Indicator			
		PK Packing			
		PM Preservation Method			
		PML Preservation Material			
		SMK Special Marking			
		UC Unit Container			
		UCL Unit Container Level			
		WM Wrapping Material			
PKG03	559	<b>Agency Qualifier Code</b>	X	ID	2/2
		Code identifying the agency assigning the code values Refer to 003050 Data Element Dictionary for acceptable code values.			
PKG04	754	<b>Packaging Description Code</b>	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			
		1. The actual codes associated with the packaging characteristic codes cited in PKG02 can be found in ASC X12 Code Source List 197 (which is MIL-STD-			

2073-2C).

2. When the offeror is to select the appropriate requirement or method associated with a packaging characteristic code, insert "Y" or "YY" (dependent on the number of positions in the code).

3. Insert "Z" or "ZZ" (dependent on the number of positions in the code) to indicate that supplementary or special requirements apply to a packaging characteristic which are not represented by a code listed in MIL-STD- 2073-2C. Use PKG05 to provide the supplemental or special requirement information.

4. When the requirement associated with a packaging characteristic code is included as part of the requirements defined for the preservation method code, insert either "X" or "XX" (dependent on the number of positions in the code).

5. Whenever a code used in PKG04 requires an explanation or additional information, provide it in PKG05.

	<b>PKG05</b>	<b>352</b>	<b>Description</b>	<b>X</b>	<b>AN</b>	<b>1/80</b>
			A free-form description to clarify the related data elements and their content			
			Use to provide Supplemental Instructions or Special Packaging Instructions.			
<b>X</b>	<b>PKG06</b>	<b>400</b>	<b>Unit Load Option Code</b>	<b>X</b>	<b>ID</b>	<b>2/2</b>
			Code identifying loading or unloading a shipment			
			Refer to 003050 Data Element Dictionary for acceptable code values.			

**Segment:** **PO4** Item Physical Details  
**Position:** 090  
**Loop:** PO1  
**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 either PO402 or PO403 is present, then the other is required.
  - 2 If PO405 is present, then PO406 is required.
  - 3 If either PO406 or PO407 is present, then the other 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:** Use this segment to specify the weight, cube, or dimensions of the unit or intermediate pack, or the unit pack quantity or intermediate container quantity; to indicate that palletized loads are required; or to indicate that shrink wrap is required. To specify the unit pack quantity, use PO401 and PO404 (code UNT). If there are 50 pairs in a unit container, PO401 would cite 50 and PO404 would cite code UNT. The number of unit containers in an intermediate container would be carried in PO414. If only the quantity per intermediate container is required, use code INT in PO404 and cite the quantity in PO414.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
	<b>PO401</b>	<b>356 Pack</b>	<b>O N0 1/6</b>
		Number of inner pack units per outer pack unit	
		1. Use to identify the unit pack quantity.	
		2. Cite the number 777777 to indicate a bulk quantity (MIL-STD 2073-2C code BLK).	
		3. Cite the number 888888 to indicate "Packager's option as long as all other requirements are met" (MIL-STD 2073-2C code YYY).	
		4. Cite the number 999999 to indicate "Special requirements - refer to supplemental data , special instructions or drawings provided" (MIL-STD 2073-2C code ZZZ).	
<b>X</b>	<b>PO402</b>	<b>357 Size</b>	<b>X R 1/8</b>
		Size of supplier units in pack	
<b>X</b>	<b>PO403</b>	<b>355 Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
	<b>PO404</b>	<b>103 Packaging Code</b>	<b>O AN 3/5</b>
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2:	

			Packaging Material			
			INT	Intermediate Container		
			UNT	Unit		
X	PO405	187	<b>Weight Qualifier</b>		O ID	1/2
			Code defining the type of weight			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
X	PO406	384	<b>Gross Weight per Pack</b>		X R	1/9
			Numeric value of gross weight per pack			
X	PO407	355	<b>Unit or Basis for Measurement Code</b>		X ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
X	PO408	385	<b>Gross Volume per Pack</b>		X R	1/9
			Numeric value of gross volume per pack			
X	PO409	355	<b>Unit or Basis for Measurement Code</b>		X ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
X	PO410	82	<b>Length</b>		X R	1/8
			Largest horizontal dimension of an object measured when the object is in the upright position			
X	PO411	189	<b>Width</b>		X R	1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position			
X	PO412	65	<b>Height</b>		X R	1/8
			Vertical dimension of an object measured when the object is in the upright position			
X	PO413	355	<b>Unit or Basis for Measurement Code</b>		X ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	PO414	810	<b>Inner Pack</b>		O N0	1/6
			Number of units in each selling pack			
			1. Use to specify the quantity of unit containers in an intermediate container.			
			2. Cite the number 666666 to indicate "See appendix B, MIL-STD 2073-1B" (MIL-STD 2073-2C code AAA).			
			3. Cite the number 777777 to indicate "See method of preservation" (MIL-STD 2073-2C code XXX).			
			4. Cite the number 888888 to indicate "Packer's option as long as all other requirements are met" (MIL-STD 2073-2C code YYY).			

**Segment:** **REF** Reference Numbers  
**Position:** 100  
**Loop:** PO1  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
			M	ID	2/2
>> REF01	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number.			
		2E Foreign Military Sales Case Number A reference number designating the foreign military sale records			
		DG Drawing Number			
		IL Internal Order Number Requisition Number			
		NI Military Standard (MIL-STD) Number			
		P4 Project Code			
		PH Priority Rating			
		RQ Purchase Requisition No.			
		S2 Military Specification Number (MILSPEC)			
		S3 Specification Number Identifies a specification number other than a MIL-SPEC. When used, the specification will be identified in REF03.			
		XE Transportation Priority Number Number indicating the level of government priority associated with the transportation of a shipment			
		ZZ Mutually Defined			
REF02	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X	AN	1/30
REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X	AN	1/80

**Segment:** **LDT** Lead Time  
**Position:** 302  
**Loop:** LDT  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**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.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
>>	LDT01	345	<b>Lead Time Code</b> Code indicating the time range AY From Date of Award to Date of Delivery	<b>M ID 2/2</b>
>>	LDT02	380	<b>Quantity</b> Numeric value of quantity	<b>M R 1/15</b>
>>	LDT03	344	<b>Unit of Time Period or Interval</b> Code indicating the time period or interval DA Calendar Days	<b>M ID 2/2</b>
X	LDT04	373	<b>Date</b> Date (YYMMDD)	<b>O DT 6/6</b>

**Segment:** **N9** Reference Number  
**Position:** 320  
**Loop:** N9  
**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:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N901	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. KD Special Instructions Number	M ID 2/2
X	N902	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text	X AN 1/45
X	N904	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
X	N905	337	<b>Time</b> 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)	X TM 4/8
X	N906	623	<b>Time Code</b> 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 Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2

**Segment:** **MSG** Message Text  
**Position:** 330  
**Loop:** N9  
**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.

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> MSG01	933	<b>Free-Form Message Text</b> Free-form message text	<b>M AN 1/264</b>
MSG02	934	<b>Printer Carriage Control Code</b> A field to be used for the control of the line feed of the receiving printer Refer to 003050 Data Element Dictionary for acceptable code values.	<b>O ID 2/2</b>

**Segment:** **N1** Name  
**Position:** 340  
**Loop:** N1  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	<b>N101</b>	<b>98 Entity Identifier Code</b>	<b>M ID 2/2</b>
		Code identifying an organizational entity, a physical location, or an individual	
		31 Postal Mailing Address	
		Provides the Parcel Post address when different from the Freight shipping address.	
		ST Ship To	
		Z7 Mark-for Party	
		The party for whom the needed material is intended	
	<b>N102</b>	<b>93 Name</b>	<b>X AN 1/35</b>
		Free-form name	
	<b>N103</b>	<b>66 Identification Code Qualifier</b>	<b>X ID 1/2</b>
		Code designating the system/method of code structure used for Identification Code (67)	
		10 Department of Defense Activity Address Code (DODAAC)	
	<b>N104</b>	<b>67 Identification Code</b>	<b>X AN 2/20</b>
		Code identifying a party or other code	
X	<b>N105</b>	<b>706 Entity Relationship Code</b>	<b>O ID 2/2</b>
		Code describing entity relationship	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
X	<b>N106</b>	<b>98 Entity Identifier Code</b>	<b>O ID 2/2</b>
		Code identifying an organizational entity, a physical location, or an individual	
		Refer to 003050 Data Element Dictionary for acceptable code values.	

**Segment:** N2 Additional Name Information  
**Position:** 350  
**Loop:** N1  
**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:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	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:** 360  
**Loop:** N1  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**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>
>>	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:** 370  
**Loop:** N1  
**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.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/11
N404	26	Country Code Code identifying the country	O ID 2/3
N405	309	Location Qualifier Code identifying type of location AR Armed Services Location Designation Indicates an Army Post Office (APO) or Fleet Post Office (FPO).	X ID 1/2
N406	310	Location Identifier Code which identifies a specific location When N405 is AR, this element provides the two letter APO or FPO identifier. AA - Miami AE - New York AP - San Francisco	O AN 1/30

**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 either CTT03 or CTT04 is present, then the other is required.  
2 If either CTT05 or CTT06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	<b>CTT01</b>	<b>354 Number of Line Items</b> Total number of line items in the transaction set Identifies the number of PO1 segments contained in this transaction set.	<b>M N0 1/6</b>
	<b>CTT02</b>	<b>347 Hash Total</b> 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. This is the sum of the quantities (PO102) for all of the PO1 segments.	<b>O R 1/10</b>
X	<b>CTT03</b>	<b>81 Weight</b> Numeric value of weight	<b>X R 1/10</b>
X	<b>CTT04</b>	<b>355 Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	<b>X ID 2/2</b>
X	<b>CTT05</b>	<b>183 Volume</b> Value of volumetric measure	<b>X R 1/8</b>
X	<b>CTT06</b>	<b>355 Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	<b>X ID 2/2</b>
X	<b>CTT07</b>	<b>352 Description</b> A free-form description to clarify the related data elements and their content	<b>O AN 1/80</b>

**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

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