



The Global Network for B2B Integration in High Tech Industries

Transaction Set

**843**

## **Response to Request for Quotation**

Functional Group ID = RQ  
X12 Version 004 Release 010

**December 2002**



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## OVERVIEW

### 1. FUNCTIONAL DEFINITION

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.

### 2. CONSIDERATIONS

### 3. TRADING PARTNERS

1. Any seller to any buyer.

### 4. EDIFICE BUSINESS MODELS

### 5. FIELD OF APPLICATION

This transaction may be applied for both national and international trade. It is based on universal commercial practice and is not dependent on the type of business or industry.

## 6. FORMAT

The transmission in the ASC X12 format uses two required envelopes. One is the ISA Interchange Control Header Segment, which starts and identifies an interchange of zero or more functional groups and interchange-related control segments. The ISA includes the sender's mailbox address and a receiver's mailbox address, and specifies which delimiter (a/k/a control, service) characters (data element separator, component element separator and data segment terminator) are being used.

There are no default service characters reserved for use in ASC X12. Allowable service characters should be discussed between trading partners.

The second required envelope is GS Functional Group Header, which indicates the beginning of a functional group and provides group level control information. The GS segment includes functional group level sender and receiver addresses, typically used by the trading partner(s) for internal routing. The GS also includes the GS08 ASC X12 Version/Release/Industry Identifier Code. EDIFICE does not recommend the use of an Industry Identifier code.

The functional groups are analogous to batches of like documents, i.e. purchase orders, invoices, etc. Each functional group contains one or more transaction sets (electronic documents).

Each transaction set is an ordered collection of segments.

Each segment is an ordered collection of data elements. Each segment has been assigned a two or three character identifier. This identifier marks the beginning of each segment. Each element within the segment is separated by a data element delimiter. EDIFICE recommends the use of the asterisk (\*) character as a data element delimiter. A segment terminator character is used to mark the end of a segment.

Any shaded areas indicate EDIFICE recommended usage and comment.

**7. ATTRIBUTES**

Each data element has three ANSI attributes: Element usage, element type and minimum/maximum length. EDIFICE has additional usage indicated for optional segments and elements which are noted in the following table.

MARGIN	ATTRIBUTE	DE NOTE	MEANING
Must Use	M (Mandatory)	N/A	If a segment, composite, or stand alone data element is mandatory according to the standard, EDIFICE cannot change the mandatory status on that component.  <i>DATA ELEMENT within a COMPOSITE:</i> A data element within a composite is mandatory only if the composite is used.
X	C or X (Conditional) or O (Optional)	No note or NOT USED	EDIFICE has determined no value in supplying the composite or data element; hence, it need not be generated.
Blank	C or X (Conditional) or O (Optional)	REQUIRED	EDIFICE members agree that the data concerned must be sent.
Blank	C or X (Conditional) or O (Optional)	No note	Indicates that EDIFICE makes no recommendation regarding usage. The trading partners must agree on usage.
Blank	C or X (Conditional) or O (Optional)	ADVISED	EDIFICE has determined value in supplying the data element; hence, it should be generated.
Blank	C or X (Conditional) or O (Optional)	DEPENDING	Data must be sent if a particular defined condition or set of conditions exist. The associated conditions must be explained at the appropriate level of detail.

## 8. CHANGES FROM VERSION 3050

Only segments, elements or codes used by EDIFICE are listed. Some fields which have increased in maximum length are not listed.

- All date fields changed from 6/6 (YYMMDD) to 8/8 (CCYYMMDD)
- NTE segment deleted. Trading partners need to put any notes in Trading Partner Agreements.
- Changes made to bring transaction into conformance with Product and Other ID supporting document; miscellaneous changes to code lists and notes.
- Per Product and Other ID support document, added codes to DE 98 and DE 66 code lists (used in N1 segment).
- Per Product and Other ID support document, changed N2, N3 and N4 segments to 'Used'
- Per Product and Other ID support document added code 'EM' Electronic Mail to DE 365 (used in PER03).
- Max length of DE 93 Name (used in N102) changed from 35 to 60
- Max length of DE 67 Identification Code (used in N104) changed from 17 to 80
- Max length of DE 350 Assigned Identification (used in PO101) changed from 11 to 20; EDIFICE still recommends that trading partners use no more than 6 bytes.
- Max length of DE330 Quantity Ordered (used in PO103) changed from 9 to 15.
- Usage of Unit or Basis for Measurement Code (used in PO105) changed to a Composite Unit of Measure. Use of DE 355 (Unit or Basis for Measurement Code) remains the same.
- Max length of DE 212 Unit Price (used in PO106) changed from 14 to 17.
- Max length of DE 235 Product/Service ID (used in POC segment) changed from 30 to 48.
- Per Product and Other ID supporting document, added codes to DE 235 code list (used in POC segment).
- Requirement of DE 234 Product/Service ID Qualifier (used in POC segment) changed from 'O' Optional to 'X' Conditional.
- Removed usage of DE 234 code 'PW' Part Drawing. See code list for POC08.
- PO306 and PO307 were marked 'Not Used' in 3050, but are mandatory in 4010. Usage changed to 'Used'.
- Segment CTT changed to a CTT loop. Max use remains at 1
- Requirement for CTT02 segment changed from 'M' Mandatory to 'O' Optional.



## SEGMENT TABLES

### 843 Response to Request for Quotation – List of Used and Not Used Segments

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	BQR	Beginning Segment for Response to Request for Quotation	M	1		
	040	CUR	Currency	O	1		
	050	REF	Reference Identification	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		
Not Used	110	CSH	Sales Requirements	O	25		
Not Used	120	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
	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		
Not Used	180	LIN	Item Identification	O	5		n1
Not Used	190	PID	Product/Item Description	O	200		
Not Used	200	MEA	Measurements	O	40		
Not Used	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		
Not Used	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		
Not Used	286	PCT	Percent Amounts	O	>1		
LOOP ID – N9						1000	
Not Used	290	N9	Reference Identification	O	1		
Not Used	295	DTM	Date/Time Reference	O	>1		
Not Used	300	MSG	Message Text	O	1000		
LOOP ID – N1						10000	
	310	N1	Name	O	1		
Not Used	320	N2	Additional Name Information	O	2		
Not Used	330	N3	Address Information	O	2		
Not Used	340	N4	Geographic Location	O	1		
Not Used	350	REF	Reference Identification	O	12		
	360	PER	Administrative Communications Contact	O	>1		



Not Used	365	SI	Service Characteristic Identification	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	25
Not Used	430	MSG	Message Text	O	>1
<b>LOOP ID – AMT</b>					<b>&gt;1</b>
Not Used	440	AMT	Monetary Amount	O	1
Not Used	450	PCT	Percent Amounts	O	>1
<b>LOOP ID – ADV</b>					<b>&gt;1</b>
Not Used	460	ADV	Advertising Demographic Information	O	1
Not Used	470	DTM	Date/Time Reference	O	>1
Not Used	480	MTX	Text	O	>1
<b>LOOP ID – LDT</b>					<b>&gt;1</b>
Not Used	510	LDT	Lead Time	O	1
Not Used	520	QTY	Quantity	O	>1
Not Used	530	MTX	Text	O	>1

**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>
	010	PO1	Baseline Item Data	O	1	
Not Used	015	LIN	Item Identification	O	>1	
Not Used	020	CUR	Currency	O	1	
Not Used	030	PO3	Additional Item Detail	O	25	
	040	CTP	Pricing Information	O	>1	
Not Used	045	PAM	Period Amount	O	10	
Not Used	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	25	
	090	PO4	Item Physical Details	O	>1	
	100	REF	Reference Identification	O	>1	
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	25	
Not Used	142	CSH	Sales Requirements	O	>1	
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	
	200	DTM	Date/Time Reference	O	10	
Not Used	230	FST	Forecast Schedule	O	5	



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	286	PCT	Percent Amounts	O	>1		
Not Used	287	MSG	Message Text	O	>1		
Not Used	288	CTB	Restrictions/Conditions	O	5		
Not Used	289	SPI	Specification Identifier	O	>1		
					LOOP ID - QTY		>1
Not Used	290	QTY	Quantity	O	1		
Not Used	291	SI	Service Characteristic Identification	O	>1		
					LOOP ID - SCH		104
	292	SCH	Line Item Schedule	O	1	n2	
Not Used	293	TD1	Carrier Details (Quantity and Weight)	O	1		
Not Used	294	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	296	TD3	Carrier Details (Equipment)	O	12		
Not Used	298	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	299	REF	Reference Identification	O	>1		
					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 Reference	O	2		
					LOOP ID - SLN		1000
Not Used	340	SLN	Subline Item Detail	O	1		
Not Used	345	MSG	Message Text	O	>1		
Not Used	350	PID	Product/Item Description	O	1000		
Not Used	355	ADV	Advertising Demographic Information	O	>1		
					LOOP ID - QTY		>1
Not Used	356	QTY	Quantity	O	1		
Not Used	357	SI	Service Characteristic Identification	O	>1		
					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 Reference	O	2		
					LOOP ID - PD		>1
Not Used	392	PD	Pricing Data	O	1		
Not Used	393	PDD	Pricing Data Detail	O	>1		
					LOOP ID - LDT		>1
	394	LDT	Lead Time	O	1		
	395	QTY	Quantity	O	>1		
Not Used	396	MSG	Message Text	O	1		
					LOOP ID - LM		>1
Not Used	397	LM	Code Source Information	O	1		
Not Used	398	LQ	Industry Code	M	>1		
					LOOP ID - N9		1000



Not Used	400	N9	Reference Identification	O	1
Not Used	405	DTM	Date/Time Reference	O	>1
Not Used	410	MSG	Message Text	O	1000
LOOP ID – N1					>1
Not Used	420	N1	Name	O	1
Not Used	430	N2	Additional Name Information	O	2
Not Used	440	N3	Address Information	O	2
Not Used	450	N4	Geographic Location	O	1
Not Used	455	QTY	Quantity	O	>1
Not Used	460	REF	Reference Identification	O	12
Not Used	470	PER	Administrative Communications Contact	O	3
Not Used	475	SI	Service Characteristic Identification	O	>1
Not Used	476	DTM	Date/Time Reference	O	1
Not Used	480	FOB	F.O.B. Related Instructions	O	1
Not Used	485	SCH	Line Item Schedule	O	200
Not Used	490	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	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
LOOP ID – LDT					>1
Not Used	550	LDT	Lead Time	O	1
Not Used	560	MAN	Marks and Numbers	O	10
Not Used	570	QTY	Quantity	O	5
Not Used	580	MSG	Message Text	O	1
LOOP ID – AMT					>1
Not Used	590	AMT	Monetary Amount	O	1
Not Used	600	PCT	Percent Amounts	O	>1

**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>
LOOP ID – CTT					1	
	010	CTT	Transaction Totals	O	1	n3
Not Used	015	AMT	Monetary Amount	O	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) is 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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			843 Response to Request for Quotation	
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			The control number is assigned by the sender. It should be sequentially assigned within each functional group to aid in error recovery and research. The control number in the SE segment (SE02) must be identical to the control number in the ST segment for each transaction.	



**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 either BQR04 or BQR05 is present, then the other is required.

**Semantic Notes:** 1 BQR03 is the date to be used for reference purposes in an RFQ and a response to RFQ.

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BQR01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
			05 Replace	
			06 Confirmation	
Must Use	BQR02	586	Request for Quote Reference Number	M AN 1/45
			Number assigned by the purchaser to identify his request for quote	
			This is the customer's RFQ number	
Must Use	BQR03	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
			Date of the response	
	BQR04	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
			097 Transaction Creation	
	BQR05	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
	BQR06	379	Bid Type Response Code	O ID 2/2
			Code indicating the type of response to the request for bid or quote	
			BI Bid Without Exception	
			BW Bid With Exception (Request for Information)	
			DQ Decline to Quote	
			UQ Unable to Quote	



Not Used	BQR07	786	<b>Security Level Code</b>	O ID 2/2
			Code indicating the level of confidentiality assigned by the sender to the information following Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	BQR08	327	<b>Change Order Sequence Number</b>	O AN 1/8
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	



**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 CUR10 is present, then at least one of CUR11 or CUR12 is required.
  - 4 If CUR11 is present, then CUR10 is required.
  - 5 If CUR12 is present, then CUR10 is required.
  - 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
  - 7 If CUR14 is present, then CUR13 is required.
  - 8 If CUR15 is present, then CUR13 is required.
  - 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
  - 10 If CUR17 is present, then CUR16 is required.
  - 11 If CUR18 is present, then CUR16 is required.
  - 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
  - 13 If CUR20 is present, then CUR19 is required.
  - 14 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:** This segment is used at the discretion of the sender.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	CUR01	98	<b>Entity Identifier Code</b>  Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser) SE Selling Party	<b>M ID 2/3</b>
<b>Must Use</b>	CUR02	100	<b>Currency Code</b>  Code (Standard ISO) for country in whose currency the charges are specified US dollars is assumed unless otherwise specified	<b>M ID 3/3</b>
<b>Not Used</b>	CUR03	280	<b>Exchange Rate</b>  Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	<b>O R 4/10</b>





Not Used	CUR04	98	<b>Entity Identifier Code</b>	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CUR05	100	<b>Currency Code</b>	O ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
Not Used	CUR06	669	<b>Currency Market/Exchange Code</b>	O ID 3/3
			Code identifying the market upon which the currency exchange rate is based Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CUR07	374	<b>Date/Time Qualifier</b>	X ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CUR08	373	<b>Date</b>	O DT 8/8
			Date expressed as CCYYMMDD	
Not Used	CUR09	337	<b>Time</b>	O TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	CUR10	374	<b>Date/Time Qualifier</b>	X ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CUR11	373	<b>Date</b>	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	CUR12	337	<b>Time</b>	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	CUR13	374	<b>Date/Time Qualifier</b>	X ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	



Not Used	CUR14	373	Date	X DT 8/8
Not Used	CUR15	337	Date expressed as CCYYMMDD Time	X TM 4/8
Not Used	CUR16	374	Date/Time Qualifier	X ID 3/3
Not Used	CUR17	373	Date	X DT 8/8
Not Used	CUR18	337	Date expressed as CCYYMMDD Time	X TM 4/8
Not Used	CUR19	374	Date/Time Qualifier	X ID 3/3
Not Used	CUR20	373	Date	X DT 8/8
Not Used	CUR21	337	Date expressed as CCYYMMDD Time	X TM 4/8



**Segment: REF Reference Identification**

- Position:** 050
- Loop:**
- Level:** Heading
- Usage:** Optional
- Max Use:** >1
- Purpose:** To specify identifying information
- Syntax Notes:**
  - 1 At least one of REF02 or REF03 is required.
  - 2 If either C04003 or C04004 is present, then the other is required.
  - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
  - 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:** This segment is used for reference numbers that are agreed upon by both trading partners. There is one reference number per segment. This segment may be used at the header or detail level.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	REF01	128	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			Code qualifying the Reference Identification	
			BB Authorization Number	
			Proves that permission was obtained to provide a service	
			BD Bid Number	
			PO Purchase Order Number	
	REF02	127	<b>Reference Identification</b>	<b>X AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
<b>Not Used</b>	REF03	352	<b>Description</b>	<b>X AN 1/80</b>
			A free-form description to clarify the related data elements and their content	
<b>Not Used</b>	REF04	C040	<b>Reference Identifier</b>	<b>O</b>
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
<b>Not Used</b>	C04001	128	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	C04002	127	<b>Reference Identification</b>	<b>M AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	



Not Used	C04003	128	<b>Reference Identification Qualifier</b>	X	ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04004	127	<b>Reference Identification</b>	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	<b>Reference Identification Qualifier</b>	X	ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04006	127	<b>Reference Identification</b>	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		



**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:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	FOB01	146	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges CC Collect DF Defined by Buyer and Seller PC Prepaid but Charged to Customer PP Prepaid (by Seller)	M ID 2/2
	FOB02	309	<b>Location Qualifier</b> Code identifying type of location DE Destination (Shipping) OR Origin (Shipping Point)	X ID 1/2
	FOB03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	O AN 1/80
Not Used	FOB04	334	<b>Transportation Terms Qualifier Code</b> Code identifying the source of the transportation terms Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	FOB05	335	<b>Transportation Terms Code</b> Code identifying the trade terms which apply to the shipment transportation responsibility Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 3/3



Not Used	FOB06	309	<b>Location Qualifier</b>	X	ID 1/2
			Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	FOB07	352	<b>Description</b>	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	FOB08	54	<b>Risk of Loss Code</b>	O	ID 2/2
			Code specifying where responsibility for risk of loss passes Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	FOB09	352	<b>Description</b>	X	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:** 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.

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
ITD01	336	<b>Terms Type Code</b> Code identifying type of payment terms 01 Basic	O ID 2/2
ITD02	333	<b>Terms Basis Date Code</b> Code identifying the beginning of the terms period 1 Ship Date 2 Delivery Date 3 Invoice Date	O ID 1/2
ITD03	338	<b>Terms Discount Percent</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O R 1/6
Not Used	ITD04	370 <b>Terms Discount Due Date</b>  Date payment is due if discount is to be earned expressed in format CCYYMMDD	X DT 8/8
	ITD05	351 <b>Terms Discount Days Due</b> Number of days in the terms discount period by which payment is due if terms discount is earned	X N0 1/3
Not Used	ITD06	446 <b>Terms Net Due Date</b>  Date when total invoice amount becomes due expressed in format CCYYMMDD	O DT 8/8
	ITD07	386 <b>Terms Net Days</b> Number of days until total invoice amount is due (discount not applicable)	O N0 1/3



Not Used	ITD08	362	<b>Terms Discount Amount</b>	O N2 1/10
			Total amount of terms discount	
Not Used	ITD09	388	<b>Terms Deferred Due Date</b>	O DT 8/8
			Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD	
Not Used	ITD10	389	<b>Deferred Amount Due</b>	X N2 1/10
			Deferred amount due for payment	
Not Used	ITD11	342	<b>Percent of Invoice Payable</b>	X R 1/5
			Amount of invoice payable expressed in percent	
Not Used	ITD12	352	<b>Description</b>	O AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	ITD13	765	<b>Day of Month</b>	X N0 1/2
			The numeric value of the day of the month between 1 and the maximum day of the month being referenced	
Not Used	ITD14	107	<b>Payment Method Code</b>	O ID 1/2
			Code identifying type of payment procedures Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	ITD15	954	<b>Percent</b>	O R 1/10
			Percentage expressed as a decimal	



**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 DTM05 is required.
  - 2 If DTM04 is present, then DTM03 is required.
  - 3 If either DTM05 or DTM06 is present, then the other is required.

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
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	
			098 Date coverage expires Bid (Effective)	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
	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)	
	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	
			CT Central Time	
			ET Eastern Time	
			GM Greenwich Mean Time	
			MT Mountain Time	
			PS Pacific Standard Time	
Not Used	DTM05	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	
			Refer to 004010 Data Element Dictionary for acceptable code values.	



Not  
Used

DTM06

1251

**Date Time Period**

X AN 1/35

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

**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:**
  - 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 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "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:** This segment is optional, and may be used at the header or detail level.

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
PKG01	349	<b>Item Description Type</b> Code indicating the format of a description F Free-form	X ID 1/1
PKG02	753	<b>Packaging Characteristic Code</b> Code specifying the marking, packaging, loading and related characteristics being described 36 Package Specifications PK Packing WM Wrapping Material	O ID 1/5
Not Used	PKG03	559 <b>Agency Qualifier Code</b>  Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	PKG04	754 <b>Packaging Description Code</b>  A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product	X AN 1/7
	PKG05	352 <b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80



Not  
Used

PKG06

400

Unit Load Option Code

X ID 2/2

Code identifying loading or unloading a shipment  
Refer to 004010 Data Element Dictionary for acceptable code  
values.



**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.
  - 5 If TD513 is present, then TD512 is required.
  - 6 If TD514 is present, then TD513 is required.
  - 7 If TD515 is present, then TD512 is required.

**Semantic Notes:** 1 TD515 is the country where the service is to be performed.

**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.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
TD501	133	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement	O ID 1/2
Not Used	TD502	66 <b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	TD503	67 <b>Identification Code</b>	X AN 2/80
	TD504	91 <b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment	X ID 1/2
		A Air	
		AE Air Express	
		AF Air Freight	
		D Parcel Post	
		H Customer Pickup	
		L Contract Carrier	
		LT Less Than Trailer Load (LTL)	
		M Motor (Common Carrier)	



			P	Private Carrier		
			U	Private Parcel Service		
	<b>TD505</b>	<b>387</b>	<b>Routing</b>		<b>X</b>	<b>AN 1/35</b>
				Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		
<b>Not Used</b>	<b>TD506</b>	<b>368</b>	<b>Shipment/Order Status Code</b>		<b>X</b>	<b>ID 2/2</b>
				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 Refer to 004010 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>TD507</b>	<b>309</b>	<b>Location Qualifier</b>		<b>O</b>	<b>ID 1/2</b>
				Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>TD508</b>	<b>310</b>	<b>Location Identifier</b>		<b>X</b>	<b>AN 1/30</b>
				Code which identifies a specific location		
	<b>TD509</b>	<b>731</b>	<b>Transit Direction Code</b>		<b>O</b>	<b>ID 2/2</b>
				The point of origin and point of direction		
			BS	Buyer to Seller		
			SB	Seller to Buyer		
			SC	Subcontractor to Seller		
			SD	Seller to Drop-Ship Designated Location		
			SF	Seller to Freight Forwarder		
			SS	Seller to Subcontractor		
	<b>TD510</b>	<b>732</b>	<b>Transit Time Direction Qualifier</b>		<b>O</b>	<b>ID 2/2</b>
				Code specifying the value of time used to measure the transit time		
			CD	Calendar Days (Includes weekends and Holidays)		
			WD	Working Days (Excludes weekends and holidays)		
	<b>TD511</b>	<b>733</b>	<b>Transit Time</b>		<b>X</b>	<b>R 1/4</b>
				The numeric amount of transit time		
	<b>TD512</b>	<b>284</b>	<b>Service Level Code</b>		<b>X</b>	<b>ID 2/2</b>
				Code indicating the level of transportation service or the billing service offered by the transportation carrier		
			ND	Next Day Air Delivery during business day hours of next business day		
			SA	Same Day		
			SC	Second Day Air Delivery during business day hours no later than second business day		
			SD	Saturday		
			SE	Second Day		
			SG	Standard Ground		



Not Used	TD513	284	<b>Service Level Code</b>	X	ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	TD514	284	<b>Service Level Code</b>	O	ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	TD515	26	<b>Country Code</b>	O	ID 2/3
			Code identifying the country		



**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:** This segment is used to identify the parties involved in the transaction. It is encouraged that the trading partners codify all addresses within their system.

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		SE Selling Party	
	N102	93 Name	X AN 1/60
	Free-form name		
	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		14 UCC/EAN Location Code Prefix	
		The first part of a 13 digit UCC/EAN Location Code within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system. A globally unique 3 to 10 digit code for the identification of a company	
		91 Assigned by Seller or Seller's Agent	
		92 Assigned by Buyer or Buyer's Agent	
	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
		EDIFICE recommended	





Not Used	N105	706	<b>Entity Relationship Code</b>	O ID 2/2
			Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N106	98	<b>Entity Identifier Code</b>	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	



**Segment: PER Administrative Communications Contact**

**Position:** 360  
**Loop:** N1 Optional  
**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	<b>Contact Function Code</b>	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named SR Sales Representative or Department SU Supplier Contact	
	PER02	93	<b>Name</b>	O AN 1/60
			Free-form name	
	PER03	365	<b>Communication Number Qualifier</b>	X ID 2/2
			Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	
	PER04	364	<b>Communication Number</b>	X AN 1/80
			Complete communications number including country or area code when applicable Recommended format for telephone number is: 880-555-1212x1234	
	PER05	365	<b>Communication Number Qualifier</b>	X ID 2/2
			Code identifying the type of communication number	
	PER06	364	<b>Communication Number</b>	X AN 1/80
			Complete communications number including country or area code when applicable	
	PER07	365	<b>Communication Number Qualifier</b>	X ID 2/2
			Code identifying the type of communication number	
	PER08	364	<b>Communication Number</b>	X AN 1/80
			Complete communications number including country or area code when applicable	
Not Used	PER09	443	<b>Contact Inquiry Reference</b>	O AN 1/20
			Additional reference number or description to clarify a contact number	

**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 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 Element Dictionary for a complete list of IDs.
  - 2 PO101 is the line item identification.
  - 3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Notes:** There is one PO1 segment for each different part number. The Product ID Qualifiers and Product ID's should completely specify the parts being quoted. Product identification should be specified according to the Product Identification Guidelines published by EDIFICE.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
PO101	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set This value should match what was received on the 840 Request for Quotation.	O AN 1/20
PO102	330	<b>Quantity Ordered</b> Quantity ordered	X R 1/15
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 EA Each	O ID 2/2
PO104	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	X R 1/17



PO105	639	<b>Basis of Unit Price Code</b>	<b>O ID 2/2</b>
		Code identifying the type of unit price for an item Use codes "AP", "NQ" and "QT" for meet comp quotes.	
		AP Responding with quote price different than requested price NQ Not quoting on line item (use book cost) QT Accepting quote price as submitted	
		AP Advise Price CA Catalog CT Contract DI Distributor NQ No Quote PE Price per Each QE Quoted Price per Each QT Quoted TE Contract Price per Each	
PO106	235	<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)	
		AB Assembly BP Buyer's Part Number DR Drawing Revision Number EC Engineering Change Level MF Manufacturer MG Manufacturer's Part Number PC Prime Contractor Part Number PD Part Number Description PW Part Drawing RP Replaced Part Number UP U.P.C. Consumer Package Code (1-5-5-1) VP Vendor's (Seller's) Part Number	
PO107	234	<b>Product/Service ID</b>	<b>X AN 1/48</b>
		Identifying number for a product or service	
PO108	235	<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)	
PO109	234	<b>Product/Service ID</b>	<b>X AN 1/48</b>
		Identifying number for a product or service	
PO110	235	<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)	
PO111	234	<b>Product/Service ID</b>	<b>X AN 1/48</b>
		Identifying number for a product or service	
PO112	235	<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)	
PO113	234	<b>Product/Service ID</b>	<b>X AN 1/48</b>
		Identifying number for a product or service	
PO114	235	<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)	

PO115	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
PO116	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
PO117	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
PO118	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
PO119	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
PO120	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
PO121	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
PO122	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
PO123	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
PO124	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
PO125	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48



**Segment: CTP Pricing Information**

- Position:** 040
- Loop:** PO1 Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** >1
- Purpose:** To specify pricing information
- Syntax Notes:**
  - 1 If either CTP04 or CTP05 is present, then the other is required.
  - 2 If CTP06 is present, then CTP07 is required.
  - 3 If CTP09 is present, then CTP02 is required.
  - 4 If CTP10 is present, then CTP02 is required.
  - 5 If CTP11 is present, then CTP03 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.

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
CTP01	687	<b>Class of Trade Code</b> Code indicating class of trade AG Agent DI Distributor MF Manufacturer	O ID 2/2
CTP02	236	<b>Price Identifier Code</b> Code identifying pricing specification CON Contract Price MIN Minimum Order Quantity Price PAP Protection Level Price PAQ Price Break Quantity(s) PRP Promotional price PUR Purchase QTE Quote Price RES Resale	X ID 3/3
CTP03	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	X R 1/17
CTP04	380	<b>Quantity</b> Numeric value of quantity	X R 1/15
CTP05	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	X



Must Use	C00101	355	<b>Unit or Basis for Measurement Code</b>	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA Each		
Not Used	C00102	1018	<b>Exponent</b>	O	R 1/15
			Power to which a unit is raised		
Not Used	C00103	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00104	355	<b>Unit or Basis for Measurement Code</b>	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C00105	1018	<b>Exponent</b>	O	R 1/15
			Power to which a unit is raised		
Not Used	C00106	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00107	355	<b>Unit or Basis for Measurement Code</b>	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C00108	1018	<b>Exponent</b>	O	R 1/15
			Power to which a unit is raised		
Not Used	C00109	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00110	355	<b>Unit or Basis for Measurement Code</b>	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C00111	1018	<b>Exponent</b>	O	R 1/15
			Power to which a unit is raised		
Not Used	C00112	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		



Not Used	C00113	355	<b>Unit or Basis for Measurement Code</b>	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C00114	1018	<b>Exponent</b>	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	CTP06	648	<b>Price Multiplier Qualifier</b>	O	ID 3/3
			Code indicating the type of price multiplier Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	CTP07	649	<b>Multiplier</b>	X	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	CTP08	782	<b>Monetary Amount</b>	O	R 1/18
			Monetary amount		
	CTP09	639	<b>Basis of Unit Price Code</b>	O	ID 2/2
			Code identifying the type of unit price for an item		
			03 Contract		
			CA Catalog		
			CP Current Price (Subject to Change)		
			CT Contract		
			DI Distributor		
			PE Price per Each		
			QE Quoted Price per Each		
Not Used	CTP10	499	<b>Condition Value</b>	O	AN 1/10
			Identifies rate restrictions or provisions		
Not Used	CTP11	289	<b>Multiple Price Quantity</b>	O	NO 1/2
			Quantity of units for a given price, e.g., 3 for \$10.00		



- 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:**
- 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 PID04 is required.
  - 5 If PID09 is present, then PID05 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; an "N" indicates it does not apply. Any other value is indeterminate.
  - 4 PID09 is used to identify the language being used in PID05.
- Comments:**
- 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349	<b>Item Description Type</b>	M ID 1/1
			Code indicating the format of a description F Free-form S Structured (From Industry Code List)	
Not Used	PID02	750	<b>Product/Process Characteristic Code</b>	O ID 2/3
			Code identifying the general class of a product or process characteristic 08 Product	
Not Used	PID03	559	<b>Agency Qualifier Code</b>	X ID 2/2
			Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.	
	PID04	751	<b>Product Description Code</b>	X AN 1/12
			A code from an industry code list which provides specific data about a product characteristic LIM Limitations PSC Part Status Code	



	PID05	352	<b>Description</b> A free-form description to clarify the related data elements and their content CFNR Cancelable (with fees); non-returnable CFRF Cancelable (with fees); returnable (with fees) CNNR Cancelable (no fees); non-returnable CNRF Cancelable (no fees); returnable (with fees) CNRN Cancelable (no fees); returnable (no fees) F Contact factory (source) R Non-cancelable; non-returnable	X AN 1/80
Not Used	PID06	752	<b>Surface/Layer/Position Code</b> Code indicating the product surface, layer or position that is being described Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	PID07	822	<b>Source Subqualifier</b> A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15
Not Used	PID08	1073	<b>Yes/No Condition or Response Code</b> Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
Not Used	PID09	819	<b>Language Code</b> Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O ID 2/3

**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:**
  - 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 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "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:** This segment is optional, and may be used at the header or detail level.

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
PKG01	349	<b>Item Description Type</b> Code indicating the format of a description F                      Free-form	X ID 1/1
PKG02	753	<b>Packaging Characteristic Code</b> Code specifying the marking, packaging, loading and related characteristics being described 36                      Package Specifications PK                      Packing WM                      Wrapping Material	O ID 1/5
Not Used	PKG03	559 <b>Agency Qualifier Code</b>  Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	PKG04	754 <b>Packaging Description Code</b>  A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product	X AN 1/7
	PKG05	352 <b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80



Not  
Used

PKG06

400

Unit Load Option Code

X ID 2/2

Code identifying loading or unloading a shipment  
Refer to 004010 Data Element Dictionary for acceptable code  
values.



**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 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.
  - 9 If PO417 is present, then PO416 is required.
  - 10 If PO418 is present, then PO404 is required.

- Semantic Notes:**
- 1 PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
  - 2 PO416 is the package identifier or the beginning package identifier in a range of identifiers.
  - 3 PO417 is the ending package identifier in a range of identifiers.
  - 4 PO418 is the number of packages in this layer.

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

**Notes:** 2 PO413 defines the unit of measure for PO410, PO411, and PO412. Packaging information is conveyed using PO405, packaging code, in the PO4 segment. That is a 5 digit concatenated field with the first 3 digits for "packaging form" and the final 2 for "packaging material." Refer to the EDIFICE Product Identification Guidelines.

**Data Element Summary**

	Ref. Des.	Data Element	Name	Attributes
Not Used	PO401	356	Pack	O N0 1/6
			The number of inner containers, or number of eaches if there are no inner containers, per outer container	
Not Used	PO402	357	Size	X R 1/8
			Size of supplier units in pack	



Not Used	PO403	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 004010 Data Element Dictionary for acceptable code values.		
	PO404	103	<b>Packaging Code</b>	X	AN 3/5
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required		
			AMM Ammo Pack		
			BLK Bulk		
			RAL Rail (Semiconductor)		
			REL Reel		
			TRY Tray		
			90 Standard		
Not Used	PO405	187	<b>Weight Qualifier</b>	O	ID 1/2
			Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	PO406	384	<b>Gross Weight per Pack</b>	X	R 1/9
			Numeric value of gross weight per pack		
Not Used	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 004010 Data Element Dictionary for acceptable code values.		
Not Used	PO408	385	<b>Gross Volume per Pack</b>	X	R 1/9
			Numeric value of gross volume per pack		
Not Used	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 004010 Data Element Dictionary for acceptable code values.		
Not Used	PO410	82	<b>Length</b>	X	R 1/8
			Largest horizontal dimension of an object measured when the object is in the upright position		
Not Used	PO411	189	<b>Width</b>	X	R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
Not Used	PO412	65	<b>Height</b>	X	R 1/8
			Vertical dimension of an object measured when the object is in the upright position		



Not Used	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 004010 Data Element Dictionary for acceptable code values.		
Not Used	PO414	810	<b>Inner Pack</b>	O	N0 1/6
			The number of eaches per inner container		
Not Used	PO415	752	<b>Surface/Layer/Position Code</b>	O	ID 2/2
			Code indicating the product surface, layer or position that is being described Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	PO416	350	<b>Assigned Identification</b>	X	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
Not Used	PO417	350	<b>Assigned Identification</b>	O	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
Not Used	PO418	1470	<b>Number</b>	O	N0 1/9
			A generic number		



**Segment: REF Reference Identification**

- Position:** 100
- Loop:** PO1 Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** >1
- Purpose:** To specify identifying information
- Syntax Notes:**
  - 1 At least one of REF02 or REF03 is required.
  - 2 If either C04003 or C04004 is present, then the other is required.
  - 3 If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
  - 1 REF04 contains data relating to the value cited in REF02.
- Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	REF01	128	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			Code qualifying the Reference Identification	
			BB Authorization Number	
			Proves that permission was obtained to provide a service	
			BD Bid Number	
	REF02	127	<b>Reference Identification</b>	<b>X AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
<b>Not Used</b>	REF03	352	<b>Description</b>	<b>X AN 1/80</b>
			A free-form description to clarify the related data elements and their content	
<b>Not Used</b>	REF04	C040	<b>Reference Identifier</b>	<b>O</b>
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
<b>Not Used</b>	C04001	128	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	C04002	127	<b>Reference Identification</b>	<b>M AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
<b>Not Used</b>	C04003	128	<b>Reference Identification Qualifier</b>	<b>X ID 2/3</b>
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	





Not Used	C04004	127	<b>Reference Identification</b>	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	<b>Reference Identification Qualifier</b>	X	ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04006	127	<b>Reference Identification</b>	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**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:**

- 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.
- 8 If SAC16 is present, then SAC15 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 SAC08 is the allowance or charge rate per unit.
- 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.  
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
- 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
- 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
- 7 SAC16 is used to identify the language being used in SAC15.

**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 as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" – Dollars in SAC09.



Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SAC01	248	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified A Allowance C Charge N No Allowance or Charge	M ID 1/1
	SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b> Code identifying the service, promotion, allowance, or charge A660 Bond Charge C660 Engineering Charge I110 Tooling	X ID 4/4
	SAC03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values AX ANSI Accredited Standards Committee, X12	X ID 2/2
	SAC04	1301	<b>Agency Service, Promotion, Allowance, or Charge Code</b> Agency maintained code identifying the service, promotion, allowance, or charge	X AN 1/10
	SAC05	610	<b>Amount</b> Monetary amount	O N2 1/15
Not Used	SAC06	378	<b>Allowance/Charge Percent Qualifier</b> Code indicating on what basis allowance or charge percent is calculated Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
Not Used	SAC07	332	<b>Percent</b> Percent expressed as a percent	X R 1/6
Not Used	SAC08	118	<b>Rate</b> Rate expressed in the standard monetary denomination for the currency specified	O R 1/9
Not Used	SAC09	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 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	SAC10	380	<b>Quantity</b> Numeric value of quantity	X R 1/15
Not Used	SAC11	380	<b>Quantity</b> Numeric value of quantity	O R 1/15



Not Used	SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID 2/2
			Code indicating method of handling for an allowance or charge Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	SAC13	127	<b>Reference Identification</b>	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	SAC14	770	<b>Option Number</b>	O	AN 1/20
			A unique number identifying available promotion or allowance options when more than one is offered		
Not Used	SAC15	352	<b>Description</b>	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	SAC16	819	<b>Language Code</b>	O	ID 2/3
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)		



**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 DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
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	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
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	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	DTM05	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	DTM06	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	



**Segment:** SCH Line Item Schedule

- Position:** 292
- Loop:** SCH Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 1
- Purpose:** To specify the data for scheduling a specific line-item
- Syntax Notes:**
  - 1 If SCH03 is present, then SCH04 is required.
  - 2 If SCH08 is present, then at least one of SCH09 or SCH10 is required.
  - 3 If SCH09 is present, then SCH08 is required.
  - 4 If SCH10 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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SCH01	380	Quantity	M R 1/15
			Numeric value of quantity	
Must Use	SCH02	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	
			EA Each	
Not Used	SCH03	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	SCH04	93	Name	X AN 1/60
			Free-form name	
Must Use	SCH05	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
Must Use	SCH06	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
Not Used	SCH07	337	Time	O TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	



Not Used	SCH08	374	<b>Date/Time Qualifier</b>	X	ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	SCH09	373	<b>Date</b>	X	DT 8/8
			Date expressed as CCYYMMDD		
Not Used	SCH10	337	<b>Time</b>	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	SCH11	326	<b>Request Reference Number</b>	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)		
Not Used	SCH12	350	<b>Assigned Identification</b>	O	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		



**Segment: LDT Lead Time**

**Position:** 394  
**Loop:** LDT Optional  
**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LDT01	345	Lead Time Code	M ID 2/2
			Code indicating the time range	
			AE From date of PO receipt to shipment	
			AF From date of PO receipt to delivery	
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	
			DA Calendar Days	
			DW Work Days	
			WK Weeks	
Not Used	LDT04	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	



**Segment: QTY Quantity**

**Position:** 395  
**Loop:** LDT Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify quantity information  
**Syntax Notes:**  
 1 At least one of QTY02 or QTY04 is required.  
 2 Only one of QTY02 or QTY04 may be present.  
**Semantic Notes:**  
 1 QTY04 is used when the quantity is non-numeric.  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			33 Quantity Available for Sale (stock quantity)	
			57 Minimum Order Quantity	
			69 Incremental Order Quantity	
	QTY02	380	Quantity	X R 1/15
			Numeric value of quantity	
	QTY03	C001	Composite Unit of Measure	O
			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	
			EA Each	
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	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
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	<b>Unit or Basis for Measurement Code</b>	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00108	1018	<b>Exponent</b>	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	<b>Multiplier</b>	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	<b>Unit or Basis for Measurement Code</b>	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00111	1018	<b>Exponent</b>	O R 1/15
			Power to which a unit is raised	
Not Used	C00112	649	<b>Multiplier</b>	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00113	355	<b>Unit or Basis for Measurement Code</b>	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00114	1018	<b>Exponent</b>	O R 1/15
			Power to which a unit is raised	
Not Used	C00115	649	<b>Multiplier</b>	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	QTY04	61	<b>Free-Form Message</b>	X AN 1/30
			Free-form information	

**Segment:** **CTT Transaction Totals**

- Position:** 010
- Loop:** CTT Optional
- Level:** Summary
- Usage:** Optional
- 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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	CTT01	354	<b>Number of Line Items</b>	<b>M N0 1/6</b>
	CTT02	347	<b>Hash Total</b> Total number of line items in the transaction set 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.	<b>O R 1/10</b>
<b>Not Used</b>	CTT03	81	<b>Weight</b>	<b>X R 1/10</b>
<b>Not Used</b>	CTT04	355	<b>Unit or Basis for Measurement Code</b> Numeric value of weight Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	<b>X ID 2/2</b>
<b>Not Used</b>	CTT05	183	<b>Volume</b>	<b>X R 1/8</b>
<b>Not Used</b>	CTT06	355	<b>Unit or Basis for Measurement Code</b> Value of volumetric measure Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	<b>X ID 2/2</b>



Not  
Used

CTT07

352

Description

O AN 1/80

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

**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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			The control number is assigned by the sender. It should be sequentially assigned within each functional group to aid in error recovery and research. The control number in the SE segment (SE02) must be identical to the control number in the ST segment for each transaction.	

## 843 RESPONSE TO REQUEST FOR QUOTATION EXAMPLES

### RRFQ EXAMPLE 1 – Distributor to Buyer; Approved Vendor List (AVL) was specified in Request for Quote (RFQ)

This is a sample of a response to request for quote from a distributor to a buyer. The following sequence illustrates how a supplier would respond to an RFQ which contained an AVL (Approved Vendor List). Line item 2 indicates an alternate vendor for the part specified in Line Item 1. Line item 3 is a new part number with only 1 approved vendor.

HEADING AREA:	
ST*843*000466.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 840 (Request for Quotation) Transaction Set Control Number: 000466.
BQR*00*123456*960424*097*960501*BI.	BQR = BEGINNING SEGMENT FOR RESPONSE TO REQUEST FOR QUOTATION (RRFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 123456 RFQ Reference Date: 04/24/96 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 05/01/96 Bid Type Response Code: BI (Bid Without Exception)
CUR*SE*USD.	CUR = CURRENCY Entity ID Code: SE (Selling Party) Currency Code: USD (US Dollars)
REF*BD*555777.	REF = REFERENCE NUMBERS Reference Number Qualifier: BD (Bid Number) Bid Number: 555777
REF*PO*P123456.	REF = REFERENCE NUMBERS Reference Number Qualifier: PO (Purchase Order Number) PO Number: P123456
REF*CT*9876.	REF = REFERENCE NUMBERS Reference Number Qualifier: CT (Contract Number) Bid Number: 9876
PKG*F*WM***ESD BAG.	PKG = MARKING, PACKAGING, LOADING Item Description Type: F (Free-form) Packaging Characteristic Code: WM (Wrapping Material) Description: ESD BAG
N1*SE*ACME SALES*92*999.	N1 = NAME Entity Identifier Code: SE (Selling Party) Name (Selling party): ACME Sales ID Code Qualifier: 92 (Assigned by Buyer or Buyer's Agent) ID Code: 999



<p>PER*SU*JOHN DOE*TE*507-555-1212* EM*john.doe@company.com.</p>	<p>PER = ADMINISTRATIVE COMMUNICATIONS CONTACT Contact Function Code: SU (Supplier Contact) Name: John Doe Communication Number Qualifier: TE (Telephone) Telephone Number: 507-555-1212 Communication Number Qualifier: EM (Electronic Mail) Email ID: <a href="mailto:john.doe@company.com">john.doe@company.com</a></p>
<p><b>DETAIL - Line Item 1</b></p>	
<p>PO1*1*30000*EA**AP*BP*10123456*MF*ROHM* MG*MCR10PZHF1000.</p>	<p>PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 1 Quantity Ordered: 30000 Unit or Basis for Measurement Code: EA (Each) Basis of Unit Price Code: AP (Advise Price) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: 10123456 Product or Service ID Qualifier: MF (Manufacturer) Manufacturer: ROHM Product or Service ID Qualifier: MG (Manufacturer's Part Number) Manufacturer's Part Number: MCR10PZHF1000</p>
<p>CTP*DI*PAQ*1.00*5000*EA****PE.</p>	<p>CTP = PRICING INFORMATION Class of Trade Code: DI (Distributor) Price Identifier Code: PAQ (Price Break Quantity(s)) Unit Price: \$1.00 Quantity: 5000 (for quantities up to 5,000) Unit or Basis for Measurement Code: EA (Each) Basis of Unit Price Code: PE (Per Each)</p>
<p>CTP*DI*PAQ*.90*10000*EA****PE.</p>	<p>CTP = PRICING INFORMATION Class of Trade Code: DI (Distributor) Price Identifier Code: PAQ (Price Break Quantity(s)) Unit Price: \$0.90 Quantity: 10,000 (for quantities from 5,001 to 10,000) Unit or Basis for Measurement Code: EA (Each) Basis of Unit Price Code: PE (Per Each)</p>
<p>CTP*DI*PAQ*.85*15000*EA****PE.</p>	<p>CTP = PRICING INFORMATION Class of Trade Code: DI (Distributor) Price Identifier Code: PAQ (Price Break Quantity(s)) Unit Price: \$0.85 Quantity: 10,000 (for quantities from 10,001 to 15,000) Unit or Basis for Measurement Code: EA (Each) Basis of Unit Price Code: PE (Per Each)</p>
<p>PO4****REL90.</p>	<p>PO4 = ITEM PHYSICAL DETAILS Packaging Code: REL90 (Tape and Reel, Standard)</p>
<p>SAC*C*I110*AX**585.</p>	<p>SAC = SERVICE, PROMOTION, ALLOWANCE, OR CHARGE INFORMATION Allowance or Charge Indicator: C (Charge) Service, Promotion, Allowance, or Charge Code: I110 (Tooling) Agency Qualifier Code: AX (ANSI Accredited Standards Committee, X12) Amount: \$585</p>



DTM*036*961231***19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 036 (Expiration) Expiration Date: 12/31/96 Century: 19
LDT*AF*48*DA.	LDT = LEAD TIME Lead Time Code: AF (From date of PO Receipt to Delivery) Quantity: 48 Unit of Time Period or Interval: DA (Calendar Days)
QTY*57*5000.	QTY = QUANTITY Quantity Qualifier: 57 (Minimum Order Quantity) Quantity: 5000
QTY*69*1000.	QTY = QUANTITY Quantity Qualifier: 69 (Incremental Order Quantity) Quantity: 1000
QTY*33*100000.	QTY = QUANTITY Quantity Qualifier: 33 (Quantity Available for Sale (Stock Quantity)) Quantity: 100,000
<b>DETAIL - Line Item 2</b>	
PO1*2*30000*EA**AP* BP*10123456*****RP*MOT*MG*M C74HC32AD.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 2 Quantity Ordered: 30000 Unit or Basis for Measurement Code: EA (Each) Basis of Unit Price Code: AP (Advise Price) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: 10123456 Product or Service ID Qualifier: RP (Replacement Part) Manufacturer for Replacement Part: MOT Product or Service ID Qualifier: MG (Manufacturer's Part Number) Manufacturer's Part Number: MC74HC32AD
CTP*DI*PAQ*.98*5000*EA****PE.	CTP = PRICING INFORMATION Class of Trade Code: DI (Distributor) Price Identifier Code: PAQ (Price Break Quantity(s)) Unit Price: \$0.98 Quantity: 10,000 (for quantities up to 5,000) Unit or Basis for Measurement Code: EA (Each) Basis of Unit Price Code: PE (Per Each)
CTP*DI*PAQ*.875*10000*EA****P E.	CTP = PRICING INFORMATION Class of Trade Code: DI (Distributor) Price Identifier Code: PAQ (Price Break Quantity(s)) Unit Price: \$0.875 Quantity: 10,000 (for quantities from 5,001 to 10,000) Unit or Basis for Measurement Code: EA (Each) Basis of Unit Price Code: PE (Per Each)
CTP*DI*PAQ*.825*15000*EA****P E.	CTP = PRICING INFORMATION Class of Trade Code: DI (Distributor) Price Identifier Code: PAQ (Price Break Quantity(s)) Unit Price: \$0.825 Quantity: 15,000 (for quantities from 10,001 to 15,000) Unit or Basis for Measurement Code: EA (Each)





	Basis of Unit Price Code: PE (Per Each)
PID*S*08**LIM*CNNR.	PID = PRODUCT/ITEM DESCRIPTION Item Description Type: S (Structured (From Industry Code List)) Product/Process Characteristic Code: 08 (Product) Product Description Code: LIM (Limitations) Description: CNNR (Cancelable (no fees); non-returnable)
DTM*036*970228***19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 036 (Expiration) Expiration Date: 02/28/97 Century: 19
LDT*AF*40*DA.	LDT = LEAD TIME Lead Time Code: AF (From date of PO Receipt to Delivery) Quantity: 40 Unit of Time Period or Interval: DA (Calendar Days)
QTY*57*5000.	QTY = QUANTITY Quantity Qualifier: 57 (Minimum Order Quantity) Quantity: 5000
QTY*69*500.	QTY = QUANTITY Quantity Qualifier: 69 (Incremental Order Quantity) Quantity: 500
QTY*33*17000.	QTY = QUANTITY Quantity Qualifier: 33 (Quantity Available for Sale (Stock Quantity)) Quantity: 17,000
<b>DETAIL – Line Item 3</b>	
PO1*3*100000*EA*.015*CT*BP*10369884*MF*MOT*MG*MC74HC32AD*** **PD*WIDGET.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 3 Quantity Ordered: 100000 Unit or Basis for Measurement Code: EA (Each) Unit Price: \$0.015 Basis of Unit Price Code: CT (Contract Price) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: 10369884 Product or Service ID Qualifier: MF (Manufacturer) Manufacturer for Replacement Part: MOT Product or Service ID Qualifier: MG (Manufacturer's Part Number) Manufacturer's Part Number: MC74HC32AD Product or Service ID Qualifier: PD (Part Description) Description: WIDGET
CTP*DI*PAQ*.8325*15000*EA****PE.	CTP = PRICING INFORMATION Class of Trade Code: DI (Distributor) Price Identifier Code: PAQ (Price Break Quantity(s)) Unit Price: \$0.825 Quantity: 15,000 (for quantities from 10,001 to 15,000) Unit or Basis for Measurement Code: EA (Each) Basis of Unit Price Code: PE (Per Each)
REF*BB*123.	REF = REFERENCE NUMBERS Reference Number Qualifier: BB (Authorization Number) Authorization Number: 123



LDT*AF*15*DA.	LDT = LEAD TIME Lead Time Code: AF (From date of PO Receipt to Delivery) Quantity: 15 Unit of Time Period or Interval: DA (Calendar Days)
QTY*57*100.	QTY = QUANTITY Quantity Qualifier: 57 (Minimum Order Quantity) Quantity: 100
<b>SUMMARY AREA:</b>	
CTT*3.	CTT = TRANSACTION TOTALS Number of Line Items: 3
SE*37*000466.	SE = TRANSACTION SET TRAILER Number of Included Segments: 37 (ST through SE, inclusive) Transaction Set Control Number: 000466



## RRFQ EXAMPLE 2 – Spot Buy Quote

This is a sample of a response to a request for spot buy quote. A Spot Buy quotation implies both a delivery and price quotation where requested.

HEADING AREA:	
ST*843*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 843 (Response to Request for Quotation) Transaction Set Control Number: 00001.
BQR*00*9753*971105*097*971109*BI.	BQR = BEGINNING SEGMENT FOR RESPONSE TO REQUEST FOR QUOTATION (RRFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/09/97 Bid Type Response Code: BI (Bid Without Exception)
REF*BD*QT9878.	REF = REFERENCE NUMBERS Reference Number Qualifier: BD (Bid Number) Bid Number: QT9878
DTM*098*971108***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 098 (Bid (Effective)) Date: 11/08/97 Century: 19
DTM*036*971113***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 036 (Expiration) Date: 11/13/97 Century: 19
N1*SE*91*SP123.	N1 = NAME Entity Identifier Code: SE (Selling Party) ID Code Qualifier: 91 (Assigned by Seller or Seller's Agent) ID Code: SP123
DETAIL – Line Item 1	
PO1*01*24000*EA** *BP*IC1234*EC*A*VP*AM8765.	PO1 = BASELINE ITEM DATA Assigned Identification (Line item number): 01 Quantity Ordered: 24,000 Unit or Basis for Measurement Code: EA (Each) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: IC1234 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: A Product or Service ID Qualifier: VP (Vendor's (Seller's) Part Number) Vendor's Part Number: AM8765
CTP**QTE*.60*****PE.	CTP = PRICING INFORMATION Price Identifier Code: QTE (Quote Price) Unit Price: \$0.60 Basis of Unit Price Code: PE (Per Each)



SCH*16000*EA***055*971217.	SCH = LINE ITEM SCHEDULE Quantity: 16,000 Unit or Basis for Measurement Code: EA (Each) Date/Time Qualifier: 055 (Confirmed) Date (Confirmed): 12/17/97
SCH*8000*EA***055*980130.	SCH = LINE ITEM SCHEDULE Quantity: 8,000 Unit or Basis for Measurement Code: EA (Each) Date/Time Qualifier: 055 (Confirmed) Date (Confirmed): 1/30/98
<b>SUMMARY AREA:</b>	
CTT*1.	CTT = TRANSACTION TOTALS Number of Line Items: 1
SE*12*00001.	SE = TRANSACTION SET TRAILER Number of Included Segments: 12 (ST through SE, inclusive) Transaction Set Control Number: 00001



### RRFQ EXAMPLE 3A – Purchase Agreement Quotation

This is a sample of a purchase agreement quotation to return prices for specific parts with specific quantities in the 840 transaction. Price breaks are not applicable to this type of quotation since specific quantities are given. The request 840 transaction may or may not contain proposed prices. Shipping nor delivery dates are not included in purchase agreement quotations.

<b>HEADING AREA:</b>	
ST*843*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 843 (Response to Request for Quotation) Transaction Set Control Number: 00001.
BQR*00*9753*971105*097*971109*BI.	BQR = BEGINNING SEGMENT FOR RESPONSE TO REQUEST FOR QUOTATION (RRFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/09/97 Bid Type Response Code: BI (Bid Without Exception)
REF*BD*QT9878.	REF = REFERENCE NUMBERS Reference Number Qualifier: BD (Bid Number) Bid Number: QT9878
DTM*098*971108***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 098 (Bid (Effective)) Date: 11/08/97 Century: 19
DTM*036*971113***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 036 (Expiration) Date: 11/13/97 Century: 19
N1*SE*91*SP123.	N1 = NAME Entity Identifier Code: SE (Selling Party) ID Code Qualifier: 91 (Assigned by Seller or Seller's Agent) ID Code: SP123
<b>DETAIL – Line Item 1</b>	
PO1*01*24000*EA** *BP*IC1234*EC*A*VP*AM8765.	PO1 = BASELINE ITEM DATA Assigned Identification (Line item number): 01 Quantity Ordered: 24,000 Unit or Basis for Measurement Code: EA (Each) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: IC1234 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: A Product or Service ID Qualifier: VP (Vendor's (Seller's) Part Number) Vendor's Part Number: AM8765



CTP**QTE*.60*****PE.	CTP = PRICING INFORMATION Price Identifier Code: QTE (Quote Price) Unit Price: \$0.60 Basis of Unit Price Code: PE (Per Each)
<b>DETAIL - Line Item 2</b>	
PO1*02*20000*EA** *BP*IC1289*EC*R*VP*AM8712.	PO1 = BASELINE ITEM DATA Assigned Identification (Line item number): 02 Quantity Ordered: 20,000 Unit or Basis for Measurement Code: EA (Each) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: IC1289 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: R Product or Service ID Qualifier: VP (Vendor's (Seller's) Part Number) Vendor's Part Number: AM8712
CTP**QTE*.80*****PE.	CTP = PRICING INFORMATION Price Identifier Code: QTE (Quote Price) Unit Price: \$0.80 Basis of Unit Price Code: PE (Per Each)
<b>SUMMARY AREA:</b>	
CTT*2.	CTT = TRANSACTION TOTALS Number of Line Items: 2
SE*12*00001.	SE = TRANSACTION SET TRAILER Number of Included Segments: 12 (ST through SE, inclusive) Transaction Set Control Number: 00001



### RRFQ EXAMPLE 3B – Budgetary (Lead Time) Quote

This quotation returns lead times to customers to base their purchase agreements. This quotation example is identical to the budgetary quotation for lead times. The distinction between the two quote types is that this quotation was solicited by an 840 transaction with BQT06 set to “TM”.

HEADING AREA:	
ST*843*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 843 (Response to Request for Quotation) Transaction Set Control Number: 00001.
BQR*00*9753*971105*097*971109*BI.	BQR = BEGINNING SEGMENT FOR RESPONSE TO REQUEST FOR QUOTATION (RRFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/09/97 Bid Type Response Code: BI (Bid Without Exception)
REF*BD*QT9878.	REF = REFERENCE NUMBERS Reference Number Qualifier: BD (Bid Number) Bid Number: QT9878
DTM*098*971108***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 098 (Bid (Effective)) Date: 11/08/97 Century: 19
DTM*036*971113***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 036 (Expiration) Date: 11/13/97 Century: 19
N1*SE*91*SP123.	N1 = NAME Entity Identifier Code: SE (Selling Party) ID Code Qualifier: 91 (Assigned by Seller or Seller's Agent) ID Code: SP123
DETAIL – Line Item 1	
PO1*01*24000*EA** *BP*IC1234*EC*A*VP*AM8765.	PO1 = BASELINE ITEM DATA Assigned Identification (Line item number): 01 Quantity Ordered: 24,000 Unit or Basis for Measurement Code: EA (Each) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: IC1234 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: A Product or Service ID Qualifier: VP (Vendor's (Seller's) Part Number) Vendor's Part Number: AM8765



CTP**QTE*.60*****PE.	CTP = PRICING INFORMATION Price Identifier Code: QTE (Quote Price) Unit Price: \$0.60 Basis of Unit Price Code: PE (Per Each)
LDT*AF*1*WK.	LDT = LEAD TIME Lead Time Code: AF (From date of PO receipt to delivery) Quantity: 1 Unit of Time Period or Interval: WK (Weeks)
<b>DETAIL – Line Item 2</b>	
PO1*02*20000*EA** *BP*IC1289*EC*R*VP*AM8712.	PO1 = BASELINE ITEM DATA Assigned Identification (Line item number): 02 Quantity Ordered: 20,000 Unit or Basis for Measurement Code: EA (Each) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: IC1289 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: R Product or Service ID Qualifier: VP (Vendor's (Seller's) Part Number) Vendor's Part Number: AM8712
CTP**QTE*.80*****PE.	CTP = PRICING INFORMATION Price Identifier Code: QTE (Quote Price) Unit Price: \$0.80 Basis of Unit Price Code: PE (Per Each)
LDT*AF*5*WK.	LDT = LEAD TIME Lead Time Code: AF (From date of PO receipt to delivery) Quantity: 5 Unit of Time Period or Interval: WK (Weeks)
<b>DETAIL – Line Item 3</b>	
PO1*03*40000*EA** *BP*IC8765*EC*A*VP*AM8799.	PO1 = BASELINE ITEM DATA Assigned Identification (Line item number): 03 Quantity Ordered: 40,000 Unit or Basis for Measurement Code: EA (Each) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: IC8765 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: A Product or Service ID Qualifier: VP (Vendor's (Seller's) Part Number) Vendor's Part Number: AM8799
LDT*AF*2*WK.	LDT = LEAD TIME Lead Time Code: AF (From date of PO receipt to delivery) Quantity: 2 Unit of Time Period or Interval: WK (Weeks)
<b>SUMMARY AREA:</b>	
CTT*3.	CTT = TRANSACTION TOTALS Number of Line Items: 3
SE*16*00001.	SE = TRANSACTION SET TRAILER Number of Included Segments: 16 (ST through SE, inclusive) Transaction Set Control Number: 00001





### RRFQ EXAMPLE 4 – Delivery Quotation

A delivery quotation implies that prices are established. If prices are returned in the transaction, they are contract, book or previously negotiated prices.

HEADING AREA:	
ST*843*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 843 (Response to Request for Quotation) Transaction Set Control Number: 00001.
BQR*00*9753*971105*097*971109*BI.	BQR = BEGINNING SEGMENT FOR RESPONSE TO REQUEST FOR QUOTATION (RRFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/09/97 Bid Type Response Code: BI (Bid Without Exception)
REF*BD*QT9878.	REF = REFERENCE NUMBERS Reference Number Qualifier: BD (Bid Number) Bid Number: QT9878
DTM*098*971108***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 098 (Bid (Effective)) Date: 11/08/97 Century: 19
DTM*036*971113***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 036 (Expiration) Date: 11/13/97 Century: 19
N1*SE*91*SP123.	N1 = NAME Entity Identifier Code: SE (Selling Party) ID Code Qualifier: 91 (Assigned by Seller or Seller's Agent) ID Code: SP123
DETAIL – Line Item 1	
PO1*01*24000*EA** *BP*IC1234*EC*A*VP*AM8765.	PO1 = BASELINE ITEM DATA Assigned Identification (Line item number): 01 Quantity Ordered: 24,000 Unit or Basis for Measurement Code: EA (Each) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: IC1234 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: A Product or Service ID Qualifier: VP (Vendor's (Seller's) Part Number) Vendor's Part Number: AM8765
SCH*16000*EA***017*971217.	SCH = LINE ITEM SCHEDULE Quantity: 16,000 Unit or Basis for Measurement Code: EA (Each) Date/Time Qualifier: 017 (Estimated Delivery) Date (of Estimated Delivery): 12/17/97



SCH*8000*EA***017*980130.	SCH = LINE ITEM SCHEDULE Quantity: 8,000 Unit or Basis for Measurement Code: EA (Each) Date/Time Qualifier: 017 (Estimated Delivery) Date (of Estimated Delivery): 1/30/98
<b>SUMMARY AREA:</b>	
CTT*1.	CTT = TRANSACTION TOTALS Number of Line Items: 1
SE*11*00001.	SE = TRANSACTION SET TRAILER Number of Included Segments: 11 (ST through SE, inclusive) Transaction Set Control Number: 00001



### RRFQ EXAMPLE 5 – Budgetary (Price Break Data) Quotation

This budgetary quotation is to return prices given the volume of parts. In this example, a single price or price breaks using the CTP segment will be found.

HEADING AREA:	
ST*843*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 843 (Response to Request for Quotation) Transaction Set Control Number: 00001.
BQR*00*9753*971105*097*971109*BI.	BQR = BEGINNING SEGMENT FOR RESPONSE TO REQUEST FOR QUOTATION (RRFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/09/97 Bid Type Response Code: BI (Bid Without Exception)
REF*BD*QT9878.	REF = REFERENCE NUMBERS Reference Number Qualifier: BD (Bid Number) Bid Number: QT9878
DTM*098*971108***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 098 (Bid (Effective)) Date: 11/08/97 Century: 19
DTM*036*971113***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 036 (Expiration) Date: 11/13/97 Century: 19
N1*SE*91*SP123.	N1 = NAME Entity Identifier Code: SE (Selling Party) ID Code Qualifier: 91 (Assigned by Seller or Seller's Agent) ID Code: SP123
DETAIL – Line Item 1	
PO1*01*1000*EA** *BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line item number): 01 Quantity Ordered: 10,000 Unit or Basis for Measurement Code: EA (Each) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: IC1234 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: A Product or Service ID Qualifier: VP (Vendor's (Seller's) Part Number) Vendor's Part Number: AM87656
CTP**QTE*.60*****PE.	CTP = PRICING INFORMATION Price Identifier Code: QTE (Quote Price) Unit Price: \$0.60 Basis of Unit Price Code: PE (Per Each)



DETAIL - Line Item 2	
PO1*02*2000*EA** *BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line item number): 02 Quantity Ordered: 20,000 Unit or Basis for Measurement Code: EA (Each) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: IC1234 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: A Product or Service ID Qualifier: VP (Vendor's (Seller's) Part Number) Vendor's Part Number: AM87656
CTP**QTE*.59*****PE.	CTP = PRICING INFORMATION Price Identifier Code: QTE (Quote Price) Unit Price: \$0.59 Basis of Unit Price Code: PE (Per Each)
DETAIL - Line Item 3	
PO1*02*5000*EA** *BP*IC9876*EC*A*VP*AM8778.	PO1 = BASELINE ITEM DATA Assigned Identification (Line item number): 02 Quantity Ordered: 20,000 Unit or Basis for Measurement Code: EA (Each) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: IC9876 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: A Product or Service ID Qualifier: VP (Vendor's (Seller's) Part Number) Vendor's Part Number: AM8778
CTP*MF*QTE*30.00*1000*****PE.	CTP = PRICING INFORMATION Class of Trade Code: MF (Manufacturer) Price Identifier Code: QTE (Quote Price) Unit Price: \$30.00 Quantity: 1,000 (from 1 - 1,000) Basis of Unit Price Code: PE (Per Each)
CTP*MF*QTE*28.00*5000*****PE.	CTP = PRICING INFORMATION Class of Trade Code: MF (Manufacturer) Price Identifier Code: QTE (Quote Price) Unit Price: \$28.00 Quantity: 5,000 (from 1,001 - 5,000) Basis of Unit Price Code: PE (Per Each)
CTP*MF*QTE*26.00*10000*****PE	CTP = PRICING INFORMATION Class of Trade Code: MF (Manufacturer) Price Identifier Code: QTE (Quote Price) Unit Price: \$26.00 Quantity: 1,000 (from 5,001 - 10,000) Basis of Unit Price Code: PE (Per Each)



SUMMARY AREA:	
CTT*3.	CTT = TRANSACTION TOTALS Number of Line Items: 3
SE*16*00001.	SE = TRANSACTION SET TRAILER Number of Included Segments: 16 (ST through SE, inclusive) Transaction Set Control Number: 00001

### RRFQ EXAMPLE 6 – Meet Competition Quotation

The purpose of a MEET COMP request for quotation is to allow one party to request a special price and/or delivery dates on product(s) based on the competition with other suppliers. The buyer may request the special price or delivery dates based on other response quotes which they have knowledge of. They are asking the seller to meet, or beat, the price or delivery date(s).

It is a trading partner agreement that the MEET COMP Quote will be used as either a price or delivery quote. That agreement will reflect whether prices are returned in this transaction.

<b>HEADING AREA:</b>	
ST*843*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 843 (Response to Request for Quotation) Transaction Set Control Number: 00001.
BQR*00*9753*971105*097*971109*BI.	BQR = BEGINNING SEGMENT FOR RESPONSE TO REQUEST FOR QUOTATION (RRFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/09/97 Bid Type Response Code: BI (Bid Without Exception)
REF*BD*QT9878.	REF = REFERENCE NUMBERS Reference Number Qualifier: BD (Bid Number) Bid Number: QT9878
DTM*098*971108***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 098 (Bid (Effective)) Date: 11/08/97 Century: 19
DTM*036*971113***19.	DTM = DATE/TIME REFERENCE Reference Number Qualifier: 036 (Expiration) Date: 11/13/97 Century: 19
N1*SE* *91*SP123.	N1 = NAME Entity Identifier Code: SE (Selling Party) ID Code Qualifier: 91 (Assigned by Seller or Seller's Agent) ID Code: SP123



DETAIL - Line Item 1	
PO1*01*8000*EA** *BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line item number): 01 Quantity Ordered: 8,000 Unit or Basis for Measurement Code: EA (Each) Product or Service ID Qualifier: BP (Buyer's Part Number) Buyer's Part Number: IC1234 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: A Product or Service ID Qualifier: VP (Vendor's (Seller's) Part Number) Vendor's Part Number: AM87656
CTP**QTE*4.99*****PE.	CTP = PRICING INFORMATION Price Identifier Code: QTE (Quote Price) Unit Price: \$4.99 Basis of Unit Price Code: PE (Per Each)
SUMMARY AREA:	
CTT*1.	CTT = TRANSACTION TOTALS Number of Line Items: 1
SE*10*00001.	SE = TRANSACTION SET TRAILER Number of Included Segments: 10 (ST through SE, inclusive) Transaction Set Control Number: 00001