An EIDX Convention
for Electronic Data Interchange

Revision History

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INTRODUCTION

This section provides the necessary information to enable trading partners to utilize the ASC X12 standards for the exchange of electronic business documents within the electronics industry.

Hyperlinks in this document

This document contains hyperlinks to pages on the EIDX web site as well as hyperlinks to off-site web pages.

EIDX Site Pages. EIDX makes every effort to keep the structure of the site stable and to keep hyperlinks working. However, content does change, and some hyperlinks to www.eidx.org in this document may not work; hyperlinks may not work in the Portable Document Format (.pdf) representations. Navigation aids are provided on the site that may help you to find what you are looking for, as well as a search form. Go to the Publications link on the home page to get started. Use the link on the web site to contact EIDX for further information.

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Abbreviations and Notations

The navigation menu in the EIDX web site Publications area includes links to Methodology and Legends for EIDX Models, the EIDX Glossary and the EIDX Acronyms and Abbreviations[1] collection.

General Recommendations and Best Practices

Recommendations and best practices that apply to all business processes, including recommendations for product identification and partner identification, are found in EIDX Business Models – General Support

Additional References

N/A

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[1] http://www.eidx.org/publications/abbrev/

OVERVIEW

1. FUNCTIONAL DEFINITION

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

2. CONSIDERATIONS

See Supporting Documention at
http://www.eidx.org/publications/business_models/preorder/qtmodl_support.html.

3. TRADING PARTNERS

   1. Any sender to any receiver.

4. EIDX BUSINESS MODELS

See the Cross-Reference of Business Models and Business Documents at
http://www.eidx.org/publications/xref_process.html#Qtmodl-docs.

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. EIDX 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 ore 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. EIDX 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 EIDX recommended usage and comment.

7. ATTRIBUTES

Each data element has three ANSI attributes: Element usage, element type and minimum/maximum length. EIDX 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, EIDX cannot change the mandatory status on that component. *DATA ELEMENT within a COMPOSITE:* 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	EIDX 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	EIDX members agree that the data concerned must be sent.
Blank	C or X (Conditional) or O (Optional)	No note	Indicates that EIDX makes no recommendation regarding usage. The trading partners must agree on usage.
Blank	C or X (Conditional) or O (Optional)	ADVISED	EIDX 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 EIDX 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; EIDX 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

840 Request for Quotation – List of Used and Not Used Segments

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BQT	Beginning Segment for Request for Quotation	M	1		
	040	CUR	Currency	O	1		
Not Used	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	160	LDT	Lead Time	O	12		
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		
	210	PWK	Paperwork	O	25		
	220	PKG	Marking, Packaging, Loading	O	200		
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	RRA	Required Response	O	100		
Not Used	285	CTB	Restrictions/Conditions	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		

				Req. Des.	Max.Use	Loop Repeat	
Not Used	370	FOB	F.O.B. Related Instructions	O	1		
Not Used	380	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	400	TD3	Carrier Details (Equipment)	O	12		
Not Used	410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	420	PKG	Marking, Packaging, Loading	O	200		
Not Used	430	RRA	Required Response	O	25		
			LOOP ID – SPI			1	
Not Used	440	SPI	Specification Identifier	O	1		
Not Used	450	REF	Reference Identification	O	5		
Not Used	460	DTM	Date/Time Reference	O	5		
Not Used	470	MSG	Message Text	O	50		
			LOOP ID – N1			20	
Not Used	490	N1	Name	O	1		
Not Used	500	N2	Additional Name Information	O	2		
Not Used	510	N3	Address Information	O	2		
Not Used	520	N4	Geographic Location	O	1		
Not Used	530	REF	Reference Identification	O	20		
Not Used	540	G61	Contact	O	1		
Not Used	550	MSG	Message Text	O	50		
			LOOP ID – CB1			>1	
Not Used	560	CB1	Contract and Cost Accounting Standards Data	O	1		
Not Used	570	REF	Reference Identification	O	20		
Not Used	580	DTM	Date/Time Reference	O	5		
Not Used	590	LDT	Lead Time	O	1		
Not Used	600	MSG	Message Text	O	50		
			LOOP ID – PCT			>1	
Not Used	610	PCT	Percent Amounts	O	1		
Not Used	620	AMT	Monetary Amount	O	>1		
			LOOP ID – ADV			>1	
Not Used	630	ADV	Advertising Demographic Information	O	1		
Not Used	640	DTM	Date/Time Reference	O	>1		
Not Used	650	MTX	Text	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID – PO1			100000	
Must Use	010	PO1	Baseline Item Data	M	1		
Not Used	015	LIN	Item Identification	O	>1		
Not Used	017	G53	Maintenance Type	O	1		
Not Used	020	CUR	Currency	O	1		
Not Used	025	CN1	Contract Information	O	1		
	030	PO3	Additional Item Detail	O	25		
Not Used	040	CTP	Pricing Information	O	>1		
Not Used	045	PAM	Period Amount	O	10		
Not Used	047	CTB	Restrictions/Conditions	O	>1		
Not Used	049	MEA	Measurements	O	40		
			LOOP ID – PID			1000	

	050	PID	Product/Item Description	O	1	
Not Used	060	MEA	Measurements	O	10	
Not Used	070	PWK	Paperwork	O	25	
	080	PKG	Marking, Packaging, Loading	O	200	
	090	PO4	Item Physical Details	O	>1	
	100	REF	Reference 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	
Not Used	200	DTM	Date/Time Reference	O	10	
	230	FST	Forecast Schedule	O	>1	
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1	
Not Used	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	260	TD3	Carrier Details (Equipment)	O	12	
Not Used	270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	280	MAN	Marks and Numbers	O	10	
Not Used	290	RRA	Required Response	O	25	
Not Used	292	MSG	Message Text	O	1000	
Not Used	293	SPI	Specification Identifier	O	>1	
			LOOP ID – QTY		>1	
Not Used	294	QTY	Quantity	O	1	
Not Used	295	SI	Service Characteristic Identification	O	>1	
			LOOP ID – SCH		104	
Not Used	296	SCH	Line Item Schedule	O	1	n2
Not Used	297	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	298	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	299	TD3	Carrier Details (Equipment)	O	12	
Not Used	300	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	301	REF	Reference Identification	O	>1	
			LOOP ID – LDT		>1	
Not Used	302	LDT	Lead Time	O	1	
Not Used	303	QTY	Quantity	O	>1	
Not Used	304	MSG	Message Text	O	1	
			LOOP ID – LM		1	
Not Used	305	LM	Code Source Information	O	1	
Not Used	306	LQ	Industry Code	M	1	
			LOOP ID – SLN		1000	
Not Used	308	SLN	Subline Item Detail	O	1	
Not Used	309	MSG	Message Text	O	>1	
Not Used	310	PID	Product/Item Description	O	1000	
Not Used	315	ADV	Advertising Demographic Information	O	>1	
			LOOP ID – QTY		>1	

Not Used	316	QTY	Quantity	O	1	
Not Used	317	SI	Service Characteristic Identification	O	>1	
			LOOP ID – N9			1000
Not Used	320	N9	Reference Identification	O	1	
Not Used	325	DTM	Date/Time Reference	O	>1	
Not Used	330	MSG	Message Text	O	1000	
			LOOP ID – N1			>1
	340	N1	Name	O	1	
Not Used	350	N2	Additional Name Information	O	2	
Not Used	360	N3	Address Information	O	2	
Not Used	370	N4	Geographic Location	O	1	
Not Used	375	QTY	Quantity	O	>1	
Not Used	380	REF	Reference Identification	O	12	
Not Used	390	PER	Administrative Communications Contact	O	3	
Not Used	395	SI	Service Characteristic Identification	O	>1	
Not Used	396	DTM	Date/Time Reference	O	1	
Not Used	400	FOB	F.O.B. Related Instructions	O	1	
Not Used	405	SCH	Line Item Schedule	O	200	
Not Used	410	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	420	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	430	TD3	Carrier Details (Equipment)	O	12	
Not Used	440	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	450	PKG	Marking, Packaging, Loading	O	200	
Not Used	460	RRA	Required Response	O	25	
Not Used	465	CTP	Pricing Information	O	1	
Not Used	469	PAM	Period Amount	O	10	
			LOOP ID – LDT			>1
Not Used	470	LDT	Lead Time	O	1	
Not Used	480	MAN	Marks and Numbers	O	10	
Not Used	490	QTY	Quantity	O	5	
Not Used	500	MSG	Message Text	O	1000	
			LOOP ID – PCT			>1
Not Used	510	PCT	Percent Amounts	O	1	
Not Used	520	AMT	Monetary Amount	O	>1	

Summary:

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

Transaction Set Notes

1. If segment LIN is used, do not use LIN01.
2. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used, the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.

3.   The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment: ST Transaction Set Header

Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) 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

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			840 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: BQT Beginning Segment for Request for Quotation

Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of a Request for Quotation Transaction Set and transmit identifying numbers and dates
Syntax Notes:	1 If either BQT04 or BQT05 is present, then the other is required.
Semantic Notes:	1 BQT03 is the date to be used for reference purposes in an RFQ and a response to RFQ.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	BQT01	353	**Transaction Set Purpose Code**	M	ID 2/2

Code identifying purpose of transaction set
00	Original
05	Replace
06	Confirmation

	Ref. Des.	Data Element	Name	Attributes	
Must Use	BQT02	586	**Request for Quote Reference Number**	M	AN 1/45

Number assigned by the purchaser to identify his request for quote
Buyer's internal RFQ number

	Ref. Des.	Data Element	Name	Attributes	
Must Use	BQT03	373	**Date**	M	DT 8/8

Date expressed as CCYYMMDD
Date of RFQ

	Ref. Des.	Data Element	Name	Attributes	
	BQT04	374	**Date/Time Qualifier**	X	ID 3/3

Code specifying type of date or time, or both date and time
097	Transaction Creation

	Ref. Des.	Data Element	Name	Attributes	
	BQT05	373	**Date**	X	DT 8/8

Date expressed as CCYYMMDD

	Ref. Des.	Data Element	Name	Attributes	
	BQT06	92	**Purchase Order Type Code**	O	ID 2/2

Code specifying the type of Purchase Order
BD	Bidding
BE	Blanket Order/Estimated Quantities (Not firm Commitment)
BK	Blanket Order (Quantity Firm)
BQ	Budgetary Quote
OS	Special Order
SA	Stand-alone Order
SS	Supply or Service Order
TM	Time & Materials

	Ref. Des.	Data Element	Name	Attributes	
	BQT07	960	**Request for Quote Type Code**	O	ID 2/2

Code specifying the type of request for quote
01	Request For Quote

			02	Solicitation for Offer
			03	Invitation for Bid
			04	Request for Proposal
			05	Sealed Bid
			06	Amendment to Solicitation
			08	Request for Price Proposal

Not Used   BQT08   1166   **Contract Type Code**   O   ID 2/2

Code identifying a contract type
Refer to 004010 Data Element Dictionary for acceptable code values.

         BQT09   786   **Security Level Code**   O   ID 2/2

Code indicating the level of confidentiality assigned by the sender to the information following

00	Company Non-Classified
02	Company Confidential
06	Supplier Proprietary
11	Competition Sensitive
90	Government Non-Classified
92	Government Confidential

Not Used   BQT10   1232   **Purchase Category**   O   ID 2/2

Code identifying the broad category of products or services being acquired
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used   BQT11   327   **Change Order Sequence Number**   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

	Ref. Des.	Data Element	Name	Attributes
Must Use	CUR01	98	**Entity Identifier Code**	M ID 2/3

Code identifying an organizational entity, a physical location, property or an individual
BY Buying Party (Purchaser)
SE Selling Party

	Ref. Des.	Data Element	Name	Attributes
Must Use	CUR02	100	**Currency Code**	M ID 3/3

Code (Standard ISO) for country in whose currency the charges are specified
US Dollars is assumed unless otherwise specified

	Ref. Des.	Data Element	Name	Attributes
Not Used	CUR03	280	**Exchange Rate**	O R 4/10

Value to be used as a multiplier conversion factor to convert monetary value from one currency to another

	Ref. Des.	Data Element	Name	Attributes
Not Used	CUR04	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 | CUR05 | 100 | **Currency Code** | | O | ID 3/3 |

Code (Standard ISO) for country in whose currency the charges are specified

| Not Used | CUR06 | 669 | **Currency Market/Exchange Code** | | 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 | **Date/Time Qualifier** | | 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 | **Date** | | O | DT 8/8 |

Date expressed as CCYYMMDD

| Not Used | CUR09 | 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 | CUR10 | 374 | **Date/Time Qualifier** | | 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 | **Date** | | X | DT 8/8 |

Date expressed as CCYYMMDD

| Not Used | CUR12 | 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 | CUR13 | 374 | **Date/Time Qualifier** | | 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 |

Date expressed as CCYYMMDD

| Not Used | CUR15 | 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 | CUR16 | 374 | Date/Time Qualifier | 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 | CUR17 | 373 | Date | X | DT 8/8 |

Date expressed as CCYYMMDD

| Not Used | CUR18 | 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 | CUR19 | 374 | Date/Time Qualifier | 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 | CUR20 | 373 | Date | X | DT 8/8 |

Date expressed as CCYYMMDD

| Not Used | CUR21 | 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)

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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	FOB01	146	**Shipment Method of Payment**	M	ID 2/2

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)

	Ref. Des.	Data Element	Name	Attributes	
	FOB02	309	**Location Qualifier**	X	ID 1/2

Code identifying type of location
DE	Destination (Shipping)
OR	Origin (Shipping Point)

	Ref. Des.	Data Element	Name	Attributes	
	FOB03	352	**Description**	O	AN 1/80

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

	Ref. Des.	Data Element	Name	Attributes	
Not Used	FOB04	334	**Transportation Terms Qualifier Code**	O	ID 2/2

Code identifying the source of the transportation terms
Refer to 004010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes	
Not Used	FOB05	335	**Transportation Terms Code**	X	ID 3/3

Code identifying the trade terms which apply to the shipment transportation responsibility
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	FOB06	309	Location Qualifier	X	ID 1/2

Code identifying type of location
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	FOB07	352	Description	O	AN 1/80

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

Not Used	FOB08	54	Risk of Loss Code	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	Description	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	**Terms Type Code**	O	ID 2/2
			Code identifying type of payment terms		
			01 Basic		
	ITD02	333	**Terms Basis Date Code**	O	ID 1/2
			Code identifying the beginning of the terms period		
			1 Ship Date		
			2 Delivery Date		
			3 Invoice Date		
	ITD03	338	**Terms Discount Percent**	O	R 1/6
			Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
Not Used	ITD04	370	**Terms Discount Due Date**	X	DT 8/8
			Date payment is due if discount is to be earned expressed in format CCYYMMDD		
	ITD05	351	**Terms Discount Days Due**	X	N0 1/3
			Number of days in the terms discount period by which payment is due if terms discount is earned		
Not Used	ITD06	446	**Terms Net Due Date**	O	DT 8/8
			Date when total invoice amount becomes due expressed in format CCYYMMDD		
	ITD07	386	**Terms Net Days**	O	N0 1/3
			Number of days until total invoice amount is due (discount not applicable)		
Not Used	ITD08	362	**Terms Discount Amount**	O	N2 1/10
			Total amount of terms discount		

Not Used	ITD09	388	**Terms Deferred Due Date**	O	DT 8/8

Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD

Not Used	ITD10	389	**Deferred Amount Due**	X	N2 1/10

Deferred amount due for payment

Not Used	ITD11	342	**Percent of Invoice Payable**	X	R 1/5

Amount of invoice payable expressed in percent

Not Used	ITD12	352	**Description**	O	AN 1/80

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

Not Used	ITD13	765	**Day of Month**	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	**Payment Method Code**	O	ID 1/2

Code identifying type of payment procedures
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	ITD15	954	**Percent**	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

	Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374	Date/Time Qualifier	M　ID 3/3

Code specifying type of date or time, or both date and time
- 007　　　　Effective
- 036　　　　Expiration
  - Date coverage expires
- 997　　　　Quote to be Received By
  - A date on which or before a quote must be received at a location specified in an RFQ

	Ref. Des.	Data Element	Name	Attributes
	DTM02	373	Date	X　DT 8/8

Date expressed as CCYYMMDD

	Ref. Des.	Data Element	Name	Attributes
	DTM03	337	Time	X　TM 4/8

Time expressed in 24–hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00–23), M = minutes (00–59), S = integer seconds (00–59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0–9) and DD = hundredths (00–99)

	Ref. Des.	Data Element	Name	Attributes
	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

	Ref. Des.	Data Element	Name	Attributes
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: **PWK** Paperwork

Position:	210
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	25
Purpose:	To identify the type or transmission or both of paperwork or supporting information
Syntax Notes:	1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:	
Comments:	1 PWK05 and PWK06 may be used to identify the addressee by a code number.
	2 PWK07 may be used to indicate special information to be shown on the specified report.
	3 PWK08 may be used to indicate action pertaining to a report.
Notes:	This segment is optional and is used to specify the method of delivery of Certificates of Compliance and the number of copies required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PWK01	755	Report Type Code	M ID 2/2
			Code indicating the title or contents of a document, report or supporting item	
			CP Certificate of Compliance (Material Certification)	
	PWK02	756	Report Transmission Code	O ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent	
			WS With Shipment (With Package)	
	PWK03	757	Report Copies Needed	O N0 1/2
			The number of copies of a report that should be sent to the addressee	
Not Used	PWK04	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	PWK05	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	PWK06	67	Identification Code	X AN 2/80
			Code identifying a party or other code	

| Not Used | PWK07 | 352 | **Description** | O | AN 1/80 |

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

| Not Used | PWK08 | C002 | **Actions Indicated** | O | |

Actions to be performed on the piece of paperwork identified

| Not Used | C00201 | 704 | **Paperwork/Report Action Code** | M | ID 1/2 |

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | C00202 | 704 | **Paperwork/Report Action Code** | O | ID 1/2 |

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | C00203 | 704 | **Paperwork/Report Action Code** | O | ID 1/2 |

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | C00204 | 704 | **Paperwork/Report Action Code** | O | ID 1/2 |

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | C00205 | 704 | **Paperwork/Report Action Code** | O | ID 1/2 |

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | PWK09 | 1525 | **Request Category Code** | O | ID 1/2 |

Code indicating a type of request
Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: # PKG Marking, Packaging, Loading

Position:	220
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	200
Purpose:	To describe marking, packaging, loading, and unloading requirements
Syntax Notes:	1 At least one of PKG04 PKG05 or PKG06 is required.
	2 If PKG04 is present, then PKG03 is required.
	3 If PKG05 is present, then PKG01 is required.
Semantic Notes:	1 PKG04 should be used for industry-specific packaging description codes.
Comments:	1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
	2 If PKG01 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. Des.	Data Element	Name	Attributes
PKG01	349	**Item Description Type**	X ID 1/1
		Code indicating the format of a description	
		F Free-form	
PKG02	753	**Packaging Characteristic Code**	O ID 1/5
		Code specifying the marking, packaging, loading and related characteristics being described	
		36 Package Specifications	
		PK Packing	
		WM Wrapping Material	
Not Used	PKG03	559	**Agency Qualifier Code** — X ID 2/2
		Code identifying the agency assigning the code values	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	PKG04	754	**Packaging Description Code** — X AN 1/7
		A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product	
PKG05	352	**Description**	X AN 1/80
		A free-form description to clarify the related data elements and their content	

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.

Syntax Notes:
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. Des.	Data Element	Name	Attributes
TD501	133	**Routing Sequence Code**	O ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
		O Origin Carrier (Air, Motor, or Ocean)	
Not Used TD502	66	**Identification Code Qualifier**	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used TD503	67	**Identification Code**	X AN 2/80
		Code identifying a party or other code	
TD504	91	**Transportation Method/Type Code**	X ID 1/2
		Code specifying the method or type of transportation for the shipment	
		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	

	TD505	387	**Routing**	**X**	**AN 1/35**

Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

Not Used	**TD506**	368	**Shipment/Order Status Code**	**X**	**ID 2/2**

Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	**TD507**	309	**Location Qualifier**	**O**	**ID 1/2**

Code identifying type of location
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	**TD508**	310	**Location Identifier**	**X**	**AN 1/30**

Code which identifies a specific location

	TD509	731	**Transit Direction Code**	**O**	**ID 2/2**

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	

	TD510	732	**Transit Time Direction Qualifier**	**O**	**ID 2/2**

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)	

	TD511	733	**Transit Time**	**X**	**R 1/4**

The numeric amount of transit time

	TD512	284	**Service Level Code**	**X**	**ID 2/2**

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	**Service Level Code**	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	**Service Level Code**	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	**Country Code**	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
BY	Buying Party (Purchaser)
PG	Prime Contractor
SE	Selling Party
SF	Ship From
ST	Ship To

	Ref. Des.	Data Element	Name		Attributes
	N102	93	Name	X	AN 1/60

Free-form name

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

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

	Ref. Des.	Data Element	Name		Attributes
	N104	67	Identification Code	X	AN 2/80

Code identifying a party or other code
EIDX recommended

Not Used	N105	706	**Entity Relationship Code**	O	ID 2/2

Code describing entity relationship
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	N106	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.

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

	Ref. Des.	Data Element	Name	Attributes
Must Use	PER01	366	**Contact Function Code**	M ID 2/2

Code identifying the major duty or responsibility of the person or group named

    BD   Buyer Name or Department
    SR   Sales Representative or Department
    SU   Supplier Contact

	Ref. Des.	Data Element	Name	Attributes
	PER02	93	**Name**	O AN 1/60

Free-form name

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

Code identifying the type of communication number

    EM   Electronic Mail
    FX   Facsimile
    TE   Telephone

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

Complete communications number including country or area code when applicable

Recommended format for telephone number is:
880-555-1212x1234

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

Code identifying the type of communication number

	Ref. Des.	Data Element	Name	Attributes
	PER06	364	**Communication Number**	X AN 1/80

Complete communications number including country or area code when applicable

	Ref. Des.	Data Element	Name	Attributes
	PER07	365	**Communication Number Qualifier**	X ID 2/2

Code identifying the type of communication number

	Ref. Des.	Data Element	Name	Attributes
	PER08	364	**Communication Number**	X AN 1/80

Complete communications number including country or area code when applicable

	Ref. Des.	Data Element	Name	Attributes
Not Used	PER09	443	**Contact Inquiry Reference**	O AN 1/20

Additional reference number or description to clarify a contact number

Segment: PO1 Baseline Item Data

Position:	010
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic and most frequently used line item data

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

Semantic Notes:

Comments:
1   See the Data 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 EIDX.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO101	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		The line sequence number should increment for each occurrence of the PO1 segment.	
PO102	330	Quantity Ordered	X R 1/15
		Quantity ordered	
		The total quantity to be quoted for all requested ship dates provided in the FST segments.	
PO103	355	Unit or Basis for Measurement Code	O ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		EA Each	
PO104	212	Unit Price	X R 1/17
		Price per unit of product, service, commodity, etc.	

| PO105 | 639 | **Basis of Unit Price Code** | O | ID 2/2 |

Code identifying the type of unit price for an item

AP	Advise Price
CA	Catalog
CT	Contract
DI	Distributor
NQ	No Quote
PE	Price per Each
QT	Quoted
TE	Contract Price per Each

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

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

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 | **Product/Service ID** | X | AN 1/48 |

Identifying number for a product or service

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

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

| PO109 | 234 | **Product/Service ID** | X | AN 1/48 |

Identifying number for a product or service

| PO110 | 235 | **Product/Service ID Qualifier** | X | ID 2/2 |

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

| PO111 | 234 | **Product/Service ID** | X | AN 1/48 |

Identifying number for a product or service

| PO112 | 235 | **Product/Service ID Qualifier** | X | ID 2/2 |

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

| PO113 | 234 | **Product/Service ID** | X | AN 1/48 |

Identifying number for a product or service

| PO114 | 235 | **Product/Service ID Qualifier** | X | ID 2/2 |

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

| PO115 | 234 | **Product/Service ID** | X | AN 1/48 |

Identifying number for a product or service

| PO116 | 235 | **Product/Service ID Qualifier** | X | ID 2/2 |

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

| PO117 | 234 | **Product/Service ID** | X | AN 1/48 |

Identifying number for a product or service

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

Segment: PO3 Additional Item Detail

Position:	030
Loop:	PO1　　　Mandatory
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To specify additional item-related data involving variations in normal price/quantity structure
Syntax Notes:	1　If PO304 is present, then at least one of PO303 or PO305 is required.
Semantic Notes:	
Comments:	1　Some examples of price/quantity variations are: price in different units from the PO1 segment, price changes by date, or price changes by quantity (break and level).
	2　PO307 defines the unit of measure for PO306.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PO301	371	**Change Reason Code**	M ID 2/2
			Code specifying the reason for price or quantity change	
			Used when identifying the name of the competition.	
			C6　　　　　　Other Limitations	
Not Used	PO302	373	**Date**	O DT 8/8
			Date expressed as CCYYMMDD	
Not Used	PO303	236	**Price Identifier Code**	X ID 3/3
			Code identifying pricing specification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	PO304	212	**Unit Price**	O R 1/17
			Price per unit of product, service, commodity, etc.	
	PO305	639	**Basis of Unit Price Code**	X ID 2/2
			Code identifying the type of unit price for an item	
			PE　　　　　　Price per Each	
Must Use	PO306	380	**Quantity**	M R 1/15
			Numeric value of quantity	
Must Use	PO307	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	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	PO308	352	**Description**	O AN 1/80
			A free-form description to clarify the related data elements and their content	

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

	Ref. Des.	Data Element	Name	Attributes
Must Use	PID01	349	Item Description Type	M ID 1/1
			Code indicating the format of a description	
			F Free–form	
	PID02	750	Product/Process Characteristic Code	O ID 2/3
			Code identifying the general class of a product or process characteristic	
			PG Program	
			A set of process conditions used to produce Oxygenated program reformulated gasoline	
Not Used	PID03	559	Agency Qualifier Code	X ID 2/2
			Code identifying the agency assigning the code values	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	PID04	751	Product Description Code	X AN 1/12
			A code from an industry code list which provides specific data about a product characteristic	

	PID05	352	**Description**	X	AN 1/80

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

Not Used	PID06	752	**Surface/Layer/Position Code**	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	PID07	822	**Source Subqualifier**	O	AN 1/15

A reference that indicates the table or text maintained by the Source Qualifier

Not Used	PID08	1073	**Yes/No Condition or Response Code**	O	ID 1/1

Code indicating a Yes or No condition or response
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PID09	819	**Language Code**	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: PKG Marking, Packaging, Loading

Position:	080
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe marking, packaging, loading, and unloading requirements
Syntax Notes:	1 At least one of PKG04 PKG05 or PKG06 is required.
	2 If PKG04 is present, then PKG03 is required.
	3 If PKG05 is present, then PKG01 is required.
Semantic Notes:	1 PKG04 should be used for industry-specific packaging description codes.
Comments:	1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
	2 If PKG01 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. Des.	Data Element	Name	Attributes
	PKG01	349	**Item Description Type**	X ID 1/1
			Code indicating the format of a description	
			F Free-form	
	PKG02	753	**Packaging Characteristic Code**	O ID 1/5
			Code specifying the marking, packaging, loading and related characteristics being described	
			36 Package Specifications	
			PK Packing	
			WM Wrapping Material	
Not Used	PKG03	559	**Agency Qualifier Code**	X ID 2/2
			Code identifying the agency assigning the code values	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	PKG04	754	**Packaging Description Code**	X AN 1/7
			A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product	
	PKG05	352	**Description**	X AN 1/80
			A free-form description to clarify the related data elements and their content	

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 Mandatory
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".
	2 PO413 defines the unit of measure for PO410, PO411, and PO412.
Notes:	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 EIDX document Implementation Recommendations for Product and Other Identifiers.

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	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010 Data Element Dictionary for acceptable code values.

	PO404	103	**Packaging Code**	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	**Weight Qualifier**	O	ID 1/2

Code defining the type of weight
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PO406	384	**Gross Weight per Pack**	X	R 1/9

Numeric value of gross weight per pack

Not Used	PO407	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PO408	385	**Gross Volume per Pack**	X	R 1/9

Numeric value of gross volume per pack

Not Used	PO409	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PO410	82	**Length**	X	R 1/8

Largest horizontal dimension of an object measured when the object is in the upright position

Not Used	PO411	189	**Width**	X	R 1/8

Shorter measurement of the two horizontal dimensions measured with the object in the upright position

Not Used	PO412	65	**Height**	X	R 1/8

Vertical dimension of an object measured when the object is in the upright position

Not Used	PO413	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PO414	810	**Inner Pack**	O	N0 1/6

The number of eaches per inner container

Not Used	PO415	752	**Surface/Layer/Position Code**	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	**Assigned Identification**	X	AN 1/20

Alphanumeric characters assigned for differentiation within a transaction set

Not Used	PO417	350	**Assigned Identification**	O	AN 1/20

Alphanumeric characters assigned for differentiation within a transaction set

Not Used	PO418	1470	**Number**	O	N0 1/9

A generic number

Segment:	**REF** Reference Identification

Position:	100
Loop:	PO1 Mandatory
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:	
Notes:	This segment is used for reference numbers that are agreed upon by both trading partners. There is one reference number per segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
			BC Buyer's Contract Number	
			GC Government Contract Number	
	REF02	127	**Reference Identification**	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	REF03	352	**Description**	X AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	REF04	C040	**Reference Identifier**	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Not Used	C04001	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C04002	127	**Reference Identification**	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04003	128	**Reference Identification Qualifier**	X ID 2/3
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	

Not Used	C04004	127	**Reference Identification**	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	**Reference Identification Qualifier**	X	ID 2/3

Code qualifying the Reference Identification
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C04006	127	**Reference Identification**	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 Mandatory
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

	Ref. Des.	Data Element	Name	Attributes
Must Use	SAC01	248	Allowance or Charge Indicator	M ID 1/1

Code which indicates an allowance or charge for the service specified

A	Allowance
C	Charge
N	No Allowance or Charge

	SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4

Code identifying the service, promotion, allowance, or charge

C660	Engineering Charge
I110	Tooling

	SAC03	559	Agency Qualifier Code	X ID 2/2

Code identifying the agency assigning the code values

AX	ANSI Accredited Standards Committee, X12

Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X AN 1/10

Agency maintained code identifying the service, promotion, allowance, or charge

	SAC05	610	Amount	O N2 1/15

Monetary amount

Not Used	SAC06	378	Allowance/Charge Percent Qualifier	X ID 1/1

Code indicating on what basis allowance or charge percent is calculated
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	SAC07	332	Percent	X R 1/6

Percent expressed as a percent

Not Used	SAC08	118	Rate	O R 1/9

Rate expressed in the standard monetary denomination for the currency specified

Not Used	SAC09	355	Unit or Basis for Measurement Code	X ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	SAC10	380	Quantity	X R 1/15

Numeric value of quantity

Not Used	SAC11	380	Quantity	O R 1/15

Numeric value of quantity

Not Used	SAC12	331	Allowance or Charge Method of Handling Code	O ID 2/2

Code indicating method of handling for an allowance or charge
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	SAC13	127	**Reference Identification**	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	**Option Number**	O	AN 1/20

A unique number identifying available promotion or allowance options when more than one is offered

Not Used	SAC15	352	**Description**	X	AN 1/80

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

Not Used	SAC16	819	**Language Code**	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: **FST** Forecast Schedule

Position:	230
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify the forecasted dates and quantities
Syntax Notes:	1 If either FST06 or FST07 is present, then the other is required.
	2 If either FST08 or FST09 is present, then the other is required.
Semantic Notes:	1 If FST03 equals "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval.
Comments:	1 As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecasted bucket (weekly, monthly, quarterly, etc.) or the start date of a flexible interval.
	2 FST06 qualifies the time in FST07. The purpose of the FST07 element is to express the specific time of day in a 24-hour clock to satisfy "just-in-time" requirements. As an alternative, the ship/delivery pattern segment (SDP) may be used to define an approximate time, such as a.m. or p.m.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	FST01	380	Quantity	M	R 1/15
			Numeric value of quantity		
Must Use	FST02	680	Forecast Qualifier	M	ID 1/1
			Code specifying the sender's confidence level of the forecast data or an action associated with a forecast		
			D Planning		
Must Use	FST03	681	Forecast Timing Qualifier	M	ID 1/1
			Code specifying interval grouping of the forecast		
			A Annually (Calendar Year)		
			D Discrete		
			M Monthly Bucket (Calendar Months)		
			Q Quarterly (Calendar Quarters)		
			S Semi-Annually (Calendar Year)		
Must Use	FST04	373	Date	M	DT 8/8
			Date expressed as CCYYMMDD		
Not Used	FST05	373	Date	O	DT 8/8
			Date expressed as CCYYMMDD		

Not Used	FST06	374	Date/Time Qualifier	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	FST07	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	FST08	128	Reference Identification Qualifier	X	ID 2/3

Code qualifying the Reference Identification
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	FST09	127	Reference Identification	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	FST10	783	Planning Schedule Type Code	O	ID 2/2

Code identifying type of planning schedule used
Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **N1** Name

Position:	340
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
Notes:	The use of the N1 segment at the detail level is optional.

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

PG	Prime Contractor
SF	Ship From
ST	Ship To

	Ref. Des.	Data Element	Name	Attributes
	N102	93	**Name**	X AN 1/60

Free-form name

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

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

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

	Ref. Des.	Data Element	Name	Attributes
	N104	67	**Identification Code**	X AN 2/80

Code identifying a party or other code

EIDX recommended

| Not Used | N105 | 706 | **Entity Relationship Code** | O | ID 2/2 |

Code describing entity relationship
Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | N106 | 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.

Segment: CTT Transaction Totals

Position:	010
Loop:	
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

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

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

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

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.

840 REQUEST FOR QUOTATION EXAMPLES

RFQ Example 1 – Request for Quote with Approved Vendor List

This is a sample of an original request for quotation from a buyer to a seller (probably a distributor). The following sequence indicates how an AVL (Approved Vendor List) is coded. Line Items 2, 3 and 4 indicate alternate vendors for the part specified in Line Item 1. Line Item 5 is a new part number with only 1 approved vendor.

HEADING AREA:	
ST*840*000555.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 840 (Request for Quotation) Transaction Set Control Number: 000555.
BQT*00*123456*960424*097*960425*BD**01**02.	BQT = BEGINNING SEGMENT FOR REQUEST FOR QUOTATION (RFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 123456 RFQ Reference Date: 4/24/96 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 4/25/96 Purchase Order Type Code: BD (Bidding) RFQ Type Code: 01 (Request For Quote) Security Level Code: 02 (Company Confidential)
CUR*BY*USD.	CUR = CURRENCY Entity Identifier Code = BY (Buyer's Currency Code) Currency Code = USD (United States Dollars)
FOB*DF*DE*DESTINATION.	FOB = F.O.B. RELATED INSTRUCTIONS Shipment Method of Payment = DF (Defined by Buyer and Seller) Location Qualifier = DE (Destination (Shipping))
ITD*01*3*2**10**30.	ITD = TERMS OF SALE/DEFERED TERMS OF SALE Terms Type Code = 01 (Basic) Terms Basis Date Code = 3 (from Invoice Date) Terms Discount Percent = 2 Terms Discount Days Due = 10 Terms Net Days = 30
DTM*997*960430*1500*CT*19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 997 (Quote to be Received By) Date (Quote to be Received by): 4/30/96 Time (Quote to be Received by): 3:00 p.m. Time Code: CT (Central Time) Century: 19
PKG*F*WM***ESDBAG.	PKG = MARKING, PACKAGING, LOADING Item Description Type: F (Free-Form) Packaging Characteristic Code: WM (Wrapping Material) Free-form Description: ESDBAG

TD5*O***A*UPS RED***SB*CD*2*SC.	TD5 = CARRIER DETAILS (ROUTING SEQUENCE/TRANSIT TIME) Routing Sequence Code: O (Origin Carrier (Air, Motor, or Ocean)) Transportation Method/Type Code: A (Air) Routing: UPS RED Transit Direction Code: SB (Seller to Buyer) Transit Time Direction Qualifier: CD (Calendar Days (Includes weekends and Holidays) Transit Time: 2 (2 calendar days) Service Level Code: SC (Second Day Air)
N1*BY*ACME CONTROLS*92*ACME9999.	N1 = NAME Entity Identifier Code: BY (Buying Party) Buying Party Name: ACME CONTROLS Identification Code Qualifier: 92 (Defined by Buyer) Buyer's Identification Code: ACME9999
PER*BD*JANE SMITH*TE*507-555-8932* EM*jane.smith@company.com.	PER = ADMINISTRATIVE COMMUNICATIONS CONTACT Contact Function Code: BD (Buyer or Department) Name: JANE SMITH Communication Number Qualifier: TE (Telephone) Communication (Telephone) Number: 507-555-8932 Communication Number Qualifier: EM (Electronic Mail) Communication (E-mail) Number: jane.smith@company.com
DETAIL – Line Item 1	
PO1*1*30000*EA**AP*BP*10123456*MF*ROCKIN RESISISTORS*MG*RR10PZHF1000*EC*1*PW*123*DR*A* PD*RESISTOR, 1/10W, 1%, 100 OHM, SM-805.	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: ROCKIN RESISTORS Product or Service ID Qualifier: MG (Manufacturer's Part Number) Manufacturer's Part Number: RR10PZHF1000 Product or Service ID Qualifier: EC (Engineering Change Level) Engineering Change Level: 1 Product or Service ID Qualifier: PW (Part Drawing) Part Drawing: 123 Product or Service ID Qualifier: DR (Drawing Revision Number) Drawing Revision Number: A Product or Service ID Qualifier: PD (Part Number Description) Part Number Description: RESISTOR, 1/10W, 1%, 100 OHM, SM-805
PO4****REL90.	PO4 = ITEM PHYSICAL DETAILS Packaging Code: REL90 (Tape and Reel, Standard)
FST*10000*D*A*961231.	FST = FORECAST SCHEDULE Quantity: 10000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: A (Annually (Calendar Year)) Date (annual period ends): 12/31/96

FST*20000*D*A*971231.	FST = FORECAST SCHEDULE Quantity: 20000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: A (Annually (Calendar Year)) Date (annual period ends): 12/31/97
N1*PG*ABC TECHNOLOGIES.	N1 = NAME Entity Identifier Code: PG (Prime Contractor) Prime Contractor (End Customer) Name: ACME CONTROLS
DETAIL – Line Item 2	
PO1*2*30000*EA**AP*BP*10123456*RP*MO BETTA RESISTORS*MG*MB74HC32AD.	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 Number) Manufacturing for Replacement Part Number for Line: MO BETTA RESISTORS Product or Service ID Qualifier: MG (Manufacturer's Part Number) Manufacturer's Part Number: MB74HC32AD
FST*10000*D*A*961231.	FST = FORECAST SCHEDULE Quantity: 10000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: A (Annually (Calendar Year)) Date (annual period ends): 12/31/96
FST*20000*D*A*971231.	FST = FORECAST SCHEDULE Quantity: 20000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: A (Annually (Calendar Year)) Date (annual period ends): 12/31/97
DETAIL – Line Item 3	
PO1*3*30000*EA**AP*BP*10123456*RP*TINY'S RESISTORS*MG*TINY74HC32D.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 3 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 Number) Manufacturing for Replacement Part Number for Line: TINY'S RESISTORS Product or Service ID Qualifier: MG (Manufacturer's Part Number) Manufacturer's Part Number: TINY74HC32D
FST*10000*D*A*961231.	FST = FORECAST SCHEDULE Quantity: 10000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: A (Annually (Calendar Year)) Date (annual period ends): 12/31/96

FST*20000*D*A*971231.	FST = FORECAST SCHEDULE Quantity: 20000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: A (Annually (Calendar Year)) Date (annual period ends): 12/31/97
DETAIL – Line Item 4	
PO1*4*30000*EA**AP*1012345 6*RP*DONT RESISTORS* MG*DONT74HC32AF.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 4 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 Number) Manufacturing for Replacement Part Number for Line: DONT RESISTORS Product or Service ID Qualifier: MG (Manufacturer's Part Number) Manufacturer's Part Number: DONT74HC32AF
FST*10000*D*A*961231.	FST = FORECAST SCHEDULE Quantity: 10000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: A (Annually (Calendar Year)) Date (annual period ends): 12/31/96
FST*20000*D*A*971231.	FST = FORECAST SCHEDULE Quantity: 20000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: A (Annually (Calendar Year)) Date (annual period ends): 12/31/97
DETAIL – Line Item 5	
PO1*5*100000*EA*.015*CT*BP*10 369884*MF*MO BETTA RESISTORS*MG*MB74HC32AD*PD* WIDGET.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 5 Quantity Ordered: 100000 Unit or Basis for Measurement Code: EA (Each) Unit Price: .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: MO BETTA RESISTORS Product or Service ID Qualifier: MG (Manufacturer's Part Number) Manufacturer's Part Number: MB74HC32AD Product or Service ID Qualifier: PD (Part Number Description) Part Number Description: WIDGET
PO4****REL90.	PO4 = ITEM PHYSICAL DETAILS Packaging Code: REL90 (Tape and Reel, Standard)
REF*BC*123.	REF = REFERENCE NUMBERS Reference Number Qualifier: BC (Buyer's Contract Number) Buyer's Contract Number: 123

SAC*C*I110*AX**585.	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) Monetary Amount (Tooling Charge): $585.00
FST*40000*D*S*960630.	FST = FORECAST SCHEDULE Quantity: 40000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: S (Semi-Annually (Calendar Year)) Date (semi-annual period ends): 6/30/96
FST*60000*D*S*961231.	FST = FORECAST SCHEDULE Quantity: 60000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: S (Semi-Annually (Calendar Year) Date (semi-annual period ends): 12/31/96
SUMMARY AREA	
CTT*5	CTT = TRANSACTION TOTALS Number of Line Items: 5
SE*35*000555.	SE = TRANSACTION SET TRAILER Number of Included Segments: 35 (ST through SE, inclusive) Transaction Set Control Number: 000555.

RFQ Example 2 – Request for Spot Buy Quote

HEADING AREA:	
ST*840*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 840 (Request for Quotation) Transaction Set Control Number: 00001.
BQT*00*9753*971105*097*971107*SA**01**02.	BQT = BEGINNING SEGMENT FOR REQUEST FOR QUOTATION (RFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/07/97 Purchase Order Type Code: SA (Stand-alone Order) RFQ Type Code: 01 (Request For Quote) Security Level Code: 02 (Company Confidential)
DTM*997*971109*1400*CT*19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 997 (Quote to be Received By) Date (Quote to be Received by): 11/09/97 Time (Quote to be Received by): 2:00 p.m. Time Code: CT (Central Time) Century: 19
N1*BY**92*SP789.	N1 = NAME Entity Identifier Code: BY (Buying Party (Purchaser)) Identification Code Qualifier: 92 (Assigned by Buyer or Buyer's Agent) Identification Code: SP789
N1*ST**92*LC987.	N1 = NAME Entity Identifier Code: ST (Ship To) Identification Code Qualifier: 92 (Assigned by Buyer or Buyer's Agent) Identification Code: LC987
DETAIL – Line Item 1	
PO1*01*24000*EA*.55*PE*BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 01 Quantity Ordered: 24000 Unit or Basis for Measurement Code: EA (Each) Unit Price: .55 Basis of Unit Price Code: PE (Per 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

FST*16000*EA*D*D*971217.	FST = FORECAST SCHEDULE Quantity: 16000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: D (Discrete) Date (Discrete): 12/17/97
FST*8000*EA*D*D*980130.	FST = FORECAST SCHEDULE Quantity: 8000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: D (Discrete) Date (Discrete): 01/30/98
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

RFQ Example 3A – Request for Purchase Agreement Quote

This is a sample of a purchase quote to solicit prices for selective parts. The response 843 transaction is expected to return a single price per PO1 segment. Delivery dates are not included in purchase agreement quotes.

HEADING AREA:	
ST*840*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 840 (Request for Quotation) Transaction Set Control Number: 00001.
BQT*00*9753*971105*097*971107*BE**01**02.	BQT = BEGINNING SEGMENT FOR REQUEST FOR QUOTATION (RFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/07/97 Purchase Order Type Code: BE (Blanket Order/Estimated Quantities (Not firm Commitment)) RFQ Type Code: 01 (Request For Quote) Security Level Code: 02 (Company Confidential)
DTM*997*971109*1400*CT*19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 997 (Quote to be Received By) Date (Quote to be Received by): 11/09/97 Time (Quote to be Received by): 2:00 p.m. Time Code: CT (Central Time) Century: 19
DTM*007*971109***19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 007 (Effective) Date (Effective): 11/09/97 Century: 19
DTM*036*981109***19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 036 (Expiration) Date (Expiration): 11/09/98 Century: 19
N1*BY**92*SP789.	N1 = NAME Entity Identifier Code: BY (Buying Party (Purchaser)) Identification Code Qualifier: 92 (Assigned by Buyer or Buyer's Agent) Identification Code: SP789

DETAIL – Line Item 1	
PO1*01*24000*EA***BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 01 Quantity Ordered: 24000 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
DETAIL – Line Item 2	
PO1*02*20000*EA***BP*IC1289*EC*R*VP*AM8712.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 02 Quantity Ordered: 20000 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
DETAIL – Line Item 3	
PO1*03*40000*EA***BP*IC8765*EC*A*VP*AM8799.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 04 Quantity Ordered: 40000 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
SUMMARY AREA:	
CTT*3.	CTT = TRANSACTION TOTALS Number of Line Items: 3
SE*11*00001.	SE = TRANSACTION SET TRAILER Number of Included Segments : 11 (ST through SE, inclusive) Transaction Set Control Number: 00001

RFQ Example 3B – Request for Budgetary (Lead Time) Quote

This is a sample of a purchase quote to solicit lead time for selective parts.

HEADING AREA:	
ST*840*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 840 (Request for Quotation) Transaction Set Control Number: 00001.
BQT*00*9753*971105*097*971107*TM**01**02.	BQT = BEGINNING SEGMENT FOR REQUEST FOR QUOTATION (RFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/07/97 Purchase Order Type Code: TM (Time & Materials) RFQ Type Code: 01 (Request For Quote) Security Level Code: 02 (Company Confidential)
DTM*997*971109*1400*CT*19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 997 (Quote to be Received By) Date (Quote to be Received by): 11/09/97 Time (Quote to be Received by): 2:00 p.m. Time Code: CT (Central Time) Century: 19
DTM*007*971109***19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 007 (Effective) Date (Effective): 11/09/97 Century: 19
DTM*036*981109***19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 036 (Expiration) Date (Expiration): 11/09/98 Century: 19
N1*BY**92*SP789.	N1 = NAME Entity Identifier Code: BY (Buying Party (Purchaser)) Identification Code Qualifier: 92 (Assigned by Buyer or Buyer's Agent) Identification Code: SP789
DETAIL – Line Item 1	
PO1*01*24000*EA***BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 01 Quantity Ordered: 24000 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

DETAIL – Line Item 2	
PO1*02*20000*EA***BP*IC1289*EC*R*VP*AM8712.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 02 Quantity Ordered: 20000 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
DETAIL – Line Item 3	
PO1*03*40000*EA***BP*IC8765*EC*A*VP*AM8799.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 04 Quantity Ordered: 40000 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
SUMMARY AREA:	
CTT*3.	CTT = TRANSACTION TOTALS Number of Line Items: 3
SE*11*00001.	SE = TRANSACTION SET TRAILER Number of Included Segments : 11 (ST through SE, inclusive) Transaction Set Control Number: 00001

RFQ Example 4 – Request for Delivery Quote

This is a sample of a delivery request for quote. This implies that prices are established, therefore prices in the PO104 are optional. If prices are returned in the transaction, they are contract, book, or previously negotiated prices.

HEADING AREA:	
ST*840*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 840 (Request for Quotation) Transaction Set Control Number: 00001.
BQT*00*9753*971105*097*971107*SS**01**02.	BQT = BEGINNING SEGMENT FOR REQUEST FOR QUOTATION (RFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/07/97 Purchase Order Type Code: SS (Supply or Service Order) RFQ Type Code: 01 (Request For Quote) Security Level Code: 02 (Company Confidential)
DTM*997*971109*1400*CT*19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 997 (Quote to be Received By) Date (Quote to be Received by): 11/09/97 Time (Quote to be Received by): 2:00 p.m. Time Code: CT (Central Time) Century: 19
N1*BY**92*SP789.	N1 = NAME Entity Identifier Code: BY (Buying Party (Purchaser)) Identification Code Qualifier: 92 (Assigned by Buyer or Buyer's Agent) Identification Code: SP789
N1*ST**92*LC123.	N1 = NAME Entity Identifier Code: ST (Ship to) Identification Code Qualifier: 92 (Assigned by Buyer or Buyer's Agent) Identification Code: LC123
DETAIL – Line Item 1	
PO1*01*24000*EA***BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 01 Quantity Ordered: 24000 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

FST*16000*EA*D*D*971217.	FST = FORECAST SCHEDULE Quantity: 16000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: D (Discrete) Date (Discrete): 12/17/97
FST*8000*EA*D*D*980130.	FST = FORECAST SCHEDULE Quantity: 8000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: D (Discrete) Date (Discrete): 01/30/98
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

RFQ Example 5 – Request for Budgetary (Price Break Data) Quote

This budgetary quote example is used to solicit price break data given the volume of parts. It is a trading partner agreement whether it is also used for lead times, hence a delivery quote.

In the following example, in order to solicit price breaks for a given part, the part numbers are repeated on several PO1 segments. Each PO1 will have a different quantity. The response 843 transaction should return each of the PO1 segments with its unique Assigned ID found in the PO101 from the 840 transaction.

HEADING AREA:	
ST*840*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 840 (Request for Quotation) Transaction Set Control Number: 00001.
BQT*00*9753*971105*097*971107*BD**01**02.	BQT = BEGINNING SEGMENT FOR REQUEST FOR QUOTATION (RFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/07/97 Purchase Order Type Code: BD (Bidding) RFQ Type Code: 01 (Request For Quote) Security Level Code: 02 (Company Confidential)
DTM*997*971109*1400*CT*19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 997 (Quote to be Received By) Date (Quote to be Received by): 11/09/97 Time (Quote to be Received by): 2:00 p.m. Time Code: CT (Central Time) Century: 19
DTM*007*971109***19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 007 (Effective) Date (Effective): 11/09/97 Century: 19
DTM*036*981109***19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 036 (Expiration) Date (Expiration): 11/09/98 Century: 19
N1*BY**92*SP789.	N1 = NAME Entity Identifier Code: BY (Buying Party (Purchaser)) Identification Code Qualifier: 92 (Assigned by Buyer or Buyer's Agent) Identification Code: SP789

DETAIL – Line Item 1	
PO1*01*10000*EA***BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 01 Quantity Ordered: 10000 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
DETAIL – Line Item 2	
PO1*02*20000*EA***BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 02 Quantity Ordered: 20000 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
DETAIL – Line Item 3	
PO1*03*30000*EA***BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 03 Quantity Ordered: 30000 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
DETAIL – Line Item 4	
PO1*04*50000*EA***BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 04 Quantity Ordered: 50000 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

SUMMARY AREA:	
CTT*4.	CTT = TRANSACTION TOTALS Number of Line Items: 4
SE*12*00001.	SE = TRANSACTION SET TRAILER Number of Included Segments : 12 (ST through SE, inclusive) Transaction Set Control Number: 00001

RFQ Example 6 – Request for Meet Competition Quote

The following is an example of a Meet Comp Quote. The purpose of a Meet Comp Quote is to allow one party to request a special price on product(s) based on the competition from other suppliers. The buyer may request the special price or delivery based on other response quotes that they have received. They are asking the seller to meet or beat the price if possible.

HEADING AREA:	
ST*840*00001.	ST = TRANSACTION SET HEADER Transaction Set Identifier: 840 (Request for Quotation) Transaction Set Control Number: 00001.
BQT*00*9753*971105*097*971107*OS**01**02.	BQT = BEGINNING SEGMENT FOR REQUEST FOR QUOTATION (RFQ) Transaction Set Purpose: 00 (Original) RFQ Reference Number: 9753 RFQ Reference Date: 11/05/97 Date/Time Qualifier: 097 (Transaction Creation) Date RFQ Created: 11/07/97 Purchase Order Type Code: OS (Special Order) RFQ Type Code: 01 (Request For Quote) Security Level Code: 02 (Company Confidential)
DTM*997*971109*1400*CT*19.	DTM = DATE/TIME REFERENCE Date/Time Qualifier: 997 (Quote to be Received By) Date (Quote to be Received by): 11/09/97 Time (Quote to be Received by): 2:00 p.m. Time Code: CT (Central Time) Century: 19
N1*BY**92*SP789.	N1 = NAME Entity Identifier Code: BY (Buying Party (Purchaser)) Identification Code Qualifier: 92 (Assigned by Buyer or Buyer's Agent) Identification Code: SP789
N1*ST**92*LC123.	N1 = NAME Entity Identifier Code: ST (Ship to) Identification Code Qualifier: 92 (Assigned by Buyer or Buyer's Agent) Identification Code: LC123
DETAIL – Line Item 1	
PO1*01*8000*EA*4.99*PE*BP*IC1234*EC*A*VP*AM87656.	PO1 = BASELINE ITEM DATA Assigned Identification (Line Item Number): 01 Quantity Ordered: 8000 Unit or Basis for Measurement Code: EA (Each) Unit Price: $4.99 Basis of Unit Price Code: PE (Per 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

PO3*C6***4.99*PE*5000*EA*PETE'S COMPETITION.	PO3 = ADDITIONAL ITEM DETAIL Change Reason Code: C6 (Other Limitations) Unit Price: $4.99 Basis of Unit Price Code: PE (Per Each) Quantity that price is based on: 8000 Quantity's Unit of Measure: EA Description (Name of Competition): Pete's Competition
FST*5000*EA*D*D*971217.	FST = FORECAST SCHEDULE Quantity: 5000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: D (Discrete) Date (Discrete): 12/17/97
FST*3000*EA*D*D*980130.	FST = FORECAST SCHEDULE Quantity: 3000 Forecast Qualifier: D (Planning) Forecast Timing Qualifier: D (Discrete) Date (Discrete): 1/30/98
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