



**Health Industry Business Communications Council -  
eBusiness Committee**

# 846 Inventory Inquiry/Advice

Functional Group ID=**IB**

**Introduction:**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

**Heading:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1		
Not Used	040	CUR	Currency	O	1		
	050	DTM	Date/Time Reference	O	10		
	060	REF	Reference Identification	O	12		
Not Used	070	PER	Administrative Communications Contact	O	3		
Not Used	075	MEA	Measurements	O	20		
LOOP ID - N1						5	
	080	N1	Name	O	1		
Not Used	090	N2	Additional Name Information	O	2		
	100	N3	Address Information	O	2		
	110	N4	Geographic Location	O	1		
Not Used	120	REF	Reference Identification	O	12		
	130	PER	Administrative Communications Contact	O	3		
LOOP ID - LM						10	
Not Used	140	LM	Code Source Information	O	1		
Not Used	150	LQ	Industry Code	M	100		

**Detail:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - LIN						10000	

M	010	LIN	Item Identification	M	1	
Not Used	030	PID	Product/Item Description	O	200	
Not Used	040	MEA	Measurements	O	40	
Not Used	050	PKG	Marking, Packaging, Loading	O	25	
	100	DTM	Date/Time Reference	O	10	
	110	CTP	Pricing Information	O	25	
Not Used	120	CUR	Currency	O	1	
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25	
Not Used	140	REF	Reference Identification	O	>1	
Not Used	150	PER	Administrative Communications Contact	O	3	
	220	SDQ	Destination Quantity	O	500	
Not Used	230	MAN	Marks and Numbers	O	1	
Not Used	235	UIT	Unit Detail	O	5	
Not Used	240	CS	Contract Summary	O	1	
Not Used	250	DD	Demand Detail	O	>1	
Not Used	255	G53	Maintenance Type	O	1	
Not Used	256	PCT	Percent Amounts	O	>1	
Not Used	257	LDT	Lead Time	O	12	
LOOP ID - LM					10	
Not Used	260	LM	Code Source Information	O	1	
Not Used	270	LQ	Industry Code	M	100	
LOOP ID - SLN					1000	
	280	SLN	Subline Item Detail	O	1	
Not Used	290	PID	Product/Item Description	O	200	
	300	MEA	Measurements	O	40	
	310	PKG	Marking, Packaging, Loading	O	25	
LOOP ID - MAN					100	
Not Used	312	MAN	Marks and Numbers	O	1	
Not Used	314	MEA	Measurements	O	40	
LOOP ID - QTY					99	
	320	QTY	Quantity	O	1	
	330	UIT	Unit Detail	O	12	
Not Used	340	MEA	Measurements	O	25	
	350	LDT	Lead Time	O	12	
Not Used	355	DTM	Date/Time Reference	O	10	
LOOP ID - SCH					25	
	360	SCH	Line Item Schedule	O	1	
Not Used	370	MEA	Measurements	O	25	
LOOP ID - LM					>1	
Not Used	375	LM	Code Source Information	O	1	
Not Used	376	LQ	Industry Code	M	100	
Not Used	380	LS	Loop Header	O	1	
LOOP ID - REF					>1	
Not Used	390	REF	Reference Identification	O	1	n1
Not Used	400	DTM	Date/Time Reference	O	>1	
Not Used	410	N1	Name	O	1	
LOOP ID - LM					10	
Not Used	420	LM	Code Source Information	O	1	
Not Used	430	LQ	Industry Code	M	100	

Not Used	440	LE	Loop Trailer	O	1	
			LOOP ID - N1		200	
Not Used	450	N1	Name	O	1	
Not Used	460	N2	Additional Name Information	O	2	
Not Used	470	N3	Address Information	O	2	
Not Used	480	N4	Geographic Location	O	1	
Not Used	490	REF	Reference Identification	O	12	
Not Used	500	PER	Administrative Communications Contact	O	3	

**Summary:**

	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.Use</u>	<u>Loop</u>	<u>Notes and</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>		<u>Repeat</u>	<u>Comments</u>
	010	CTT	Transaction Totals	O	1		n2
M	020	SE	Transaction Set Trailer	M	1		

**Transaction Set Notes**

1. The REF loop conveys serial number, lot number, and inventory data.
2. Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 846 Inventory Inquiry/Advice	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

**Segment:** **BIA** Beginning Segment for Inventory Inquiry/Advice  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of an Inventory Inquiry/Advice Transaction Set  
**Syntax Notes:**  
**Semantic Notes:**

- 1 BIA03 identifies the number of the inquiry/advice that is transferred.
- 2 BIA04 identifies the date of the inquiry/advice that is transferred.
- 3 BIA05 identifies the time of the inquiry/advice that is transferred.

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BIA01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 08 Status 11 Response 13 Request	M ID 2/2
M	BIA02	755	<b>Report Type Code</b> Code indicating the title or contents of a document, report or supporting item CD Customer/Distributor Inventory Report CM Customer/Manufacturer Inventory Report CS Consigned Inventory Sales Report DC Distributor/Customer Inventory Report DD Distributor Inventory Report DM Distributor/Manufacturer Inventory Report LC Location Inventory Report MB Manufacturer/Distributor Inventory Report MC Manufacturer/Customer Inventory Report PI Product Availability Inquiry PJ Purchasing Specification Specifications, generated by a customer, setting acceptance limits on the properties or performance of the product being purchased; purchasing specifications may additionally supply instructions for packaging, transportation, delivery, and payments SI Seller Inventory Report	M ID 2/2
M	BIA03	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Contains Purchase Order Number if code value in BIA03 is 'PJ' Purchasing Specification.	M AN 1/30
M	BIA04	373	<b>Date</b> Date expressed as CCYYMMDD	M DT 8/8
X	BIA05	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8
X	BIA06	306	<b>Action Code</b> Code indicating type of action	O ID 1/2

**Segment:** **DTM** Date/Time Reference  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 007 Effective 036 Expiration Date coverage expires 040 Status (After and Including) 041 Status (Prior and Including) 071 Requested for Delivery (After and Including) 074 Requested for Delivery (Prior to and Including)	<b>M ID 3/3</b>
	DTM02	373	<b>Date</b> Date expressed as CCYYMMDD	<b>X DT 8/8</b>
X	DTM03	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	<b>X TM 4/8</b>
X	DTM04	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	<b>O ID 2/2</b>
X	DTM05	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format	<b>X ID 2/3</b>
X	DTM06	1251	<b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times	<b>X AN 1/35</b>

**Segment:** **REF** Reference Identification  
**Position:** 060  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification TN Transaction Reference Number	M ID 2/3
	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
X	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80
X	REF04	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
X	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M ID 2/3
X	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
X	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X ID 2/3
X	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
X	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X ID 2/3
X	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

**Segment:** **N1** Name  
**Position:** 080  
**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.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	<b>N101</b>	<b>98 Entity Identifier Code</b>	<b>M ID 2/3</b>
		Code identifying an organizational entity, a physical location, property or an individual	
		BS Bill and Ship To	
		BT Bill-to-Party	
		BY Buying Party (Purchaser)	
		DB Distributor Branch	
		DS Distributor	
		MF Manufacturer of Goods	
		SE Selling Party	
		SF Ship From	
		ST Ship To	
		VN Vendor	
X	<b>N102</b>	<b>93 Name</b>	<b>X AN 1/60</b>
		Free-form name	
	<b>N103</b>	<b>66 Identification Code Qualifier</b>	<b>X ID 1/2</b>
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10 Department of Defense Activity Address Code (DODAAC)	
		11 Drug Enforcement Administration (DEA)	
		21 Health Industry Number (HIN)	
		91 Assigned by Seller or Seller's Agent	
		92 Assigned by Buyer or Buyer's Agent	
	<b>N104</b>	<b>67 Identification Code</b>	<b>X AN 2/80</b>
		Code identifying a party or other code	
X	<b>N105</b>	<b>706 Entity Relationship Code</b>	<b>O ID 2/2</b>
		Code describing entity relationship	
X	<b>N106</b>	<b>98 Entity Identifier Code</b>	<b>O ID 2/3</b>
		Code identifying an organizational entity, a physical location, property or an individual	
		Refer to 004010HIBCC Data Element Dictionary for acceptable code values.	



**Segment:** N3 Address Information  
**Position:** 100  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
M	N301	166	<b>Address Information</b> Address information	M AN 1/55
	N302	166	<b>Address Information</b> Address information	O AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 110  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N401	19	<b>City Name</b> Free-form text for city name	O AN 2/30
N402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
X	N404	26 <b>Country Code</b> Code identifying the country	O ID 2/3
X	N405	309 <b>Location Qualifier</b> Code identifying type of location	X ID 1/2
X	N406	310 <b>Location Identifier</b> Code which identifies a specific location	O AN 1/30

**Segment:** **PER Administrative Communications Contact**  
**Position:** 130  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

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

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
	PER02	93	<b>Name</b> Free-form name	O AN 1/60
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80
	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to PER03 for code values.	X ID 2/2
	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80
	PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to PER02 for code values.	X ID 2/2
	PER08	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80
X	PER09	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O AN 1/20

**Segment:** **LIN** Item Identification  
**Position:** 010  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify basic item identification data  
**Syntax Notes:**

- 1 If either LIN04 or LIN05 is present, then the other is required.
- 2 If either LIN06 or LIN07 is present, then the other is required.
- 3 If either LIN08 or LIN09 is present, then the other is required.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- 8 If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.
- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.
- 14 If either LIN30 or LIN31 is present, then the other is required.

**Semantic Notes:**

- 1 LIN01 is the line item identification

**Comments:**

- 1 See the Data Dictionary for a complete list of IDs.
- 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LIN01	350	<b>Assigned Identification</b>	<b>O AN 1/20</b>
		Alphanumeric characters assigned for differentiation within a transaction set	
M	LIN02	<b>Product/Service ID Qualifier</b>	<b>M ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		CG	Commodity Grouping
		HI	HIBC (Health Care Industry Bar Code)
		IN	Buyer's Item Number
		LT	Lot Number
		MF	Manufacturer
		MG	Manufacturer's Part Number
		ND	National Drug Code (NDC)
		RP	Replaced Part Number
		SN	Serial Number
		SS	Superseded Part Number
		UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
			A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit
		UP	U.P.C. Consumer Package Code (1-5-5-1)
		VC	Vendor's (Seller's) Catalog Number
M	LIN03	<b>Product/Service ID</b>	<b>M AN 1/48</b>
		Identifying number for a product or service	

	LIN04	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to LIN02 for code values.		
	LIN05	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
	LIN06	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to LIN02 for code values.		
	LIN07	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
	LIN08	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010HIBCC Data Element Dictionary for acceptable code values.		
	LIN09	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
	LIN10	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to LIN02 for code values.		
	LIN11	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
X	LIN12	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN13	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
X	LIN14	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN15	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
X	LIN16	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010HIBCC Data Element Dictionary for acceptable code values.		
X	LIN17	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
X	LIN18	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN19	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
X	LIN20	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN21	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
X	LIN22	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN23	234	<b>Product/Service ID</b>	X	AN 1/48

			Identifying number for a product or service		
X	LIN24	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN25	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
X	LIN26	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN27	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
X	LIN28	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN29	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		
X	LIN30	235	<b>Product/Service ID Qualifier</b>	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN31	234	<b>Product/Service ID</b>	X	AN 1/48
			Identifying number for a product or service		

**Segment:** **DTM** Date/Time Reference  
**Position:** 100  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 007 Effective 036 Expiration Date coverage expires 040 Status (After and Including) 041 Status (Prior and Including) 092 Contract Effective 093 Contract Expiration	M ID 3/3
	DTM02	373	<b>Date</b> Date expressed as CCYYMMDD	X DT 8/8
X	DTM03	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
X	DTM04	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
X	DTM05	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format	X ID 2/3
X	DTM06	1251	<b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times	X AN 1/35

**Segment:** **CTP Pricing Information**  
**Position:** 110  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 25  
**Purpose:** To specify pricing information  
**Syntax Notes:**

- 1 If either CTP04 or CTP05 is present, then the other is required.
- 2 If CTP06 is present, then CTP07 is required.
- 3 If CTP09 is present, then CTP02 is required.
- 4 If CTP10 is present, then CTP02 is required.
- 5 If CTP11 is present, then CTP03 is required.

**Semantic Notes:**

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

**Comments:**

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
CTP01	687	<b>Class of Trade Code</b> Code indicating class of trade BG Buying Group DI Distributor GV Government HS Hospitals ID Industrial IN Institutional PF Professional RS Resale WH Wholesaler	O ID 2/2
CTP02	236	<b>Price Identifier Code</b> Code identifying pricing specification ALT Alternate Price AWP Average Wholesale Price CAT Catalog Price CON Contract Price DIS Distributor's Price DPR Discount Price MSR Manufacturer's Suggested Retail NET Net Item Price PBQ Unit Price Beginning Quantity PPD Prepaid Freight Charges PRF Professional Price PRP Promotional price QTE Quote Price SLP Suggested List Price	X ID 3/3
CTP03	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	X R 1/17
CTP04	380	<b>Quantity</b> Numeric value of quantity	X R 1/15



	<b>CTP05</b>	<b>C001</b>	<b>Composite Unit of Measure</b>	<b>X</b>
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
<b>M</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
<b>X</b>	<b>C00102</b>	<b>1018</b>	<b>Exponent</b>	<b>O R 1/15</b>
			Power to which a unit is raised	
<b>X</b>	<b>C00103</b>	<b>649</b>	<b>Multiplier</b>	<b>O R 1/10</b>
			Value to be used as a multiplier to obtain a new value	
<b>X</b>	<b>C00104</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
<b>X</b>	<b>C00105</b>	<b>1018</b>	<b>Exponent</b>	<b>O R 1/15</b>
			Power to which a unit is raised	
<b>X</b>	<b>C00106</b>	<b>649</b>	<b>Multiplier</b>	<b>O R 1/10</b>
			Value to be used as a multiplier to obtain a new value	
<b>X</b>	<b>C00107</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
<b>X</b>	<b>C00108</b>	<b>1018</b>	<b>Exponent</b>	<b>O R 1/15</b>
			Power to which a unit is raised	
<b>X</b>	<b>C00109</b>	<b>649</b>	<b>Multiplier</b>	<b>O R 1/10</b>
			Value to be used as a multiplier to obtain a new value	
<b>X</b>	<b>C00110</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
<b>X</b>	<b>C00111</b>	<b>1018</b>	<b>Exponent</b>	<b>O R 1/15</b>
			Power to which a unit is raised	
<b>X</b>	<b>C00112</b>	<b>649</b>	<b>Multiplier</b>	<b>O R 1/10</b>
			Value to be used as a multiplier to obtain a new value	
<b>X</b>	<b>C00113</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
<b>X</b>	<b>C00114</b>	<b>1018</b>	<b>Exponent</b>	<b>O R 1/15</b>
			Power to which a unit is raised	
<b>X</b>	<b>C00115</b>	<b>649</b>	<b>Multiplier</b>	<b>O R 1/10</b>
			Value to be used as a multiplier to obtain a new value	
	<b>CTP06</b>	<b>648</b>	<b>Price Multiplier Qualifier</b>	<b>O ID 3/3</b>
			Code indicating the type of price multiplier	
		CSD	Cost Markup Multiplier - Original Cost	
		CSR	Cost Markup Multiplier - Retail Cost	
		DIS	Discount Multiplier	
		ILP	Cost Markup Multiplier - Wholesale Cost	
	<b>CTP07</b>	<b>649</b>	<b>Multiplier</b>	<b>X R 1/10</b>
			Value to be used as a multiplier to obtain a new value	
<b>X</b>	<b>CTP08</b>	<b>782</b>	<b>Monetary Amount</b>	<b>O R 1/18</b>
			Monetary amount	
<b>X</b>	<b>CTP09</b>	<b>639</b>	<b>Basis of Unit Price Code</b>	<b>O ID 2/2</b>
			Code identifying the type of unit price for an item	
<b>X</b>	<b>CTP10</b>	<b>499</b>	<b>Condition Value</b>	<b>O AN 1/10</b>
			Identifies rate restrictions or provisions	
<b>X</b>	<b>CTP11</b>	<b>289</b>	<b>Multiple Price Quantity</b>	<b>O N0 1/2</b>

Quantity of units for a given price, e.g., 3 for \$10.00

**Segment:** **SDQ** Destination Quantity  
**Position:** 220  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 500  
**Purpose:** To specify destination and quantity detail  
**Syntax Notes:**

- 1 If either SDQ05 or SDQ06 is present, then the other is required.
- 2 If either SDQ07 or SDQ08 is present, then the other is required.
- 3 If either SDQ09 or SDQ10 is present, then the other is required.
- 4 If either SDQ11 or SDQ12 is present, then the other is required.
- 5 If either SDQ13 or SDQ14 is present, then the other is required.
- 6 If either SDQ15 or SDQ16 is present, then the other is required.
- 7 If either SDQ17 or SDQ18 is present, then the other is required.
- 8 If either SDQ19 or SDQ20 is present, then the other is required.
- 9 If either SDQ21 or SDQ22 is present, then the other is required.

**Semantic Notes:**

- 1 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

**Comments:**

- 1 SDQ02 is used only if different than previously defined in the transaction set.
- 2 SDQ03 is the store number.
- 3 SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	SDQ01	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	
	SDQ02	66 Identification Code Qualifier	O 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	
		10 Department of Defense Activity Address Code (DODAAC)	
		11 Drug Enforcement Administration (DEA)	
		21 Health Industry Number (HIN)	
		91 Assigned by Seller or Seller's Agent	
		92 Assigned by Buyer or Buyer's Agent	
M	SDQ03	67 Identification Code	M AN 2/80
		Code identifying a party or other code	
M	SDQ04	380 Quantity	M R 1/15
		Numeric value of quantity	
	SDQ05	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
	SDQ06	380 Quantity	X R 1/15
		Numeric value of quantity	
	SDQ07	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
	SDQ08	380 Quantity	X R 1/15
		Numeric value of quantity	
	SDQ09	67 Identification Code	X AN 2/80

			Code identifying a party or other code		
	<b>SDQ10</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>R 1/15</b>
			Numeric value of quantity		
	<b>SDQ11</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/80</b>
			Code identifying a party or other code		
	<b>SDQ12</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>R 1/15</b>
			Numeric value of quantity		
	<b>SDQ13</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/80</b>
			Code identifying a party or other code		
	<b>SDQ14</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>R 1/15</b>
			Numeric value of quantity		
	<b>SDQ15</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/80</b>
			Code identifying a party or other code		
	<b>SDQ16</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>R 1/15</b>
			Numeric value of quantity		
	<b>SDQ17</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/80</b>
			Code identifying a party or other code		
	<b>SDQ18</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>R 1/15</b>
			Numeric value of quantity		
	<b>SDQ19</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/80</b>
			Code identifying a party or other code		
	<b>SDQ20</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>R 1/15</b>
			Numeric value of quantity		
	<b>SDQ21</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/80</b>
			Code identifying a party or other code		
	<b>SDQ22</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>R 1/15</b>
			Numeric value of quantity		
<b>X</b>	<b>SDQ23</b>	<b>310</b>	<b>Location Identifier</b>	<b>O</b>	<b>AN 1/30</b>
			Code which identifies a specific location		

<b>Segment:</b>	<b>SLN</b> Subline Item Detail
<b>Position:</b>	280
<b>Loop:</b>	SLN Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify product subline detail item data
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either SLN04 or SLN05 is present, then the other is required.</li> <li>2 If SLN07 is present, then SLN06 is required.</li> <li>3 If SLN08 is present, then SLN06 is required.</li> <li>4 If either SLN09 or SLN10 is present, then the other is required.</li> <li>5 If either SLN11 or SLN12 is present, then the other is required.</li> <li>6 If either SLN13 or SLN14 is present, then the other is required.</li> <li>7 If either SLN15 or SLN16 is present, then the other is required.</li> <li>8 If either SLN17 or SLN18 is present, then the other is required.</li> <li>9 If either SLN19 or SLN20 is present, then the other is required.</li> <li>10 If either SLN21 or SLN22 is present, then the other is required.</li> <li>11 If either SLN23 or SLN24 is present, then the other is required.</li> <li>12 If either SLN25 or SLN26 is present, then the other is required.</li> <li>13 If either SLN27 or SLN28 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 SLN01 is the identifying number for the subline item.</li> <li>2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.</li> <li>3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.</li> <li>4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 See the Data Element Dictionary for a complete list of IDs.</li> <li>2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.</li> <li>3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.</li> </ol>

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SLN01	<b>350 Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	<b>M AN 1/20</b>
	SLN02	<b>350 Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	<b>O AN 1/20</b>
M	SLN03	<b>662 Relationship Code</b> Code indicating the relationship between entities A Add D Delete I Included S Substituted	<b>M ID 1/1</b>
	SLN04	<b>380 Quantity</b> Numeric value of quantity	<b>X R 1/15</b>
	SLN05	<b>C001 Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	<b>X</b>
M	C00101	<b>355 Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	<b>M ID 2/2</b>
X	C00102	<b>1018 Exponent</b>	<b>O R 1/15</b>

			Power to which a unit is raised	
X	C00103	649	<b>Multiplier</b>	O R 1/10
			Value to be used as a multiplier to obtain a new value	
X	C00104	355	<b>Unit or Basis for Measurement Code</b>	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
X	C00105	1018	<b>Exponent</b>	O R 1/15
			Power to which a unit is raised	
X	C00106	649	<b>Multiplier</b>	O R 1/10
			Value to be used as a multiplier to obtain a new value	
X	C00107	355	<b>Unit or Basis for Measurement Code</b>	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
X	C00108	1018	<b>Exponent</b>	O R 1/15
			Power to which a unit is raised	
X	C00109	649	<b>Multiplier</b>	O R 1/10
			Value to be used as a multiplier to obtain a new value	
X	C00110	355	<b>Unit or Basis for Measurement Code</b>	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
X	C00111	1018	<b>Exponent</b>	O R 1/15
			Power to which a unit is raised	
X	C00112	649	<b>Multiplier</b>	O R 1/10
			Value to be used as a multiplier to obtain a new value	
X	C00113	355	<b>Unit or Basis for Measurement Code</b>	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
X	C00114	1018	<b>Exponent</b>	O R 1/15
			Power to which a unit is raised	
X	C00115	649	<b>Multiplier</b>	O R 1/10
			Value to be used as a multiplier to obtain a new value	
	SLN06	212	<b>Unit Price</b>	X R 1/17
			Price per unit of product, service, commodity, etc.	
	SLN07	639	<b>Basis of Unit Price Code</b>	O ID 2/2
			Code identifying the type of unit price for an item	
	SLN08	662	<b>Relationship Code</b>	O ID 1/1
			Code indicating the relationship between entities	
			A Add	
			D Delete	
			I Included	
	SLN09	235	<b>Product/Service ID Qualifier</b>	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			CG Commodity Grouping	
			HI HIBC (Health Care Industry Bar Code)	
			IN Buyer's Item Number	
			LT Lot Number	
			MG Manufacturer's Part Number	
			ND National Drug Code (NDC)	
			RP Replaced Part Number	
			SN Serial Number	
			SS Superseded Part Number	
			UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)	

A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit

UP U.P.C. Consumer Package Code (1-5-5-1)

VC Vendor's (Seller's) Catalog Number

SLN10	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
SLN11	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
SLN12	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
SLN13	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
SLN14	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
SLN15	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
SLN16	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
SLN17	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
SLN18	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
SLN19	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
SLN20	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
SLN21	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
SLN22	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
SLN23	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
SLN24	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
SLN25	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
SLN26	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
SLN27	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
SLN28	234	<b>Product/Service ID</b>	X	AN 1/48

Identifying number for a product or service



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

**Position:** 300

**Loop:** SLN Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 40

**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

**Syntax Notes:** 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.

2 If MEA05 is present, then MEA04 is required.

3 If MEA06 is present, then MEA04 is required.

4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.

5 Only one of MEA08 or MEA03 may be present.

**Semantic Notes:** 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

**Comments:** 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
MEA01	737	<b>Measurement Reference ID Code</b> Code identifying the broad category to which a measurement applies	O ID 2/2
MEA02	738	<b>Measurement Qualifier</b> Code identifying a specific product or process characteristic to which a measurement applies	O ID 1/3
MEA03	739	<b>Measurement Value</b> The value of the measurement	X R 1/20
MEA04	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	X
M	C00101	355 <b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
X	C00102	1018 <b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00103	649 <b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00104	355 <b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00105	1018 <b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00106	649 <b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00107	355 <b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00108	1018 <b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00109	649 <b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00110	355 <b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2

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

**Segment:** **PKG** Marking, Packaging, Loading  
**Position:** 310  
**Loop:** SLN Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 25  
**Purpose:** To describe marking, packaging, loading, and unloading requirements  
**Syntax Notes:**

- 1 At least one of PKG04 PKG05 or PKG06 is required.
- 2 If PKG04 is present, then PKG03 is required.
- 3 If PKG05 is present, then PKG01 is required.

**Semantic Notes:**

- 1 PKG04 should be used for industry-specific packaging description codes.

**Comments:**

- 1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
- 2 If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
- 3 Use PKG03 to indicate the organization that publishes the code list being referred to.
- 4 Special marking or tagging data can be given in PKG05 (description).

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
X	PKG01	349	<b>Item Description Type</b> Code indicating the format of a description	X ID 1/1
	PKG02	753	<b>Packaging Characteristic Code</b> Code specifying the marking, packaging, loading and related characteristics being described	O ID 1/5
	PKG03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values	X ID 2/2
	PKG04	754	<b>Packaging Description Code</b> A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product	X AN 1/7
X	PKG05	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80
X	PKG06	400	<b>Unit Load Option Code</b> Code identifying loading or unloading a shipment	X ID 2/2

**Segment:** QTY Quantity  
**Position:** 320  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.  
 2 Only one of QTY02 or QTY04 may be present.  
**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.  
**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	QTY01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity 17 Quantity on Hand 26 Total Inventory 27 Committed Quantity 29 Projected Available Inventory RJ Quantity Available on Shelf	M ID 2/2
	QTY02	380	<b>Quantity</b> Numeric value of quantity	X R 1/15
	QTY03	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	O
M	C00101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
X	C00102	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00103	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00104	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00105	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00106	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00107	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00108	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15

X	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00113	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	QTY04	61	<b>Free-Form Message</b> Free-form information	X AN 1/30

**Segment:** UIT Unit Detail  
**Position:** 330  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify item unit data  
**Syntax Notes:** 1 If UIT03 is present, then UIT02 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	UIT01	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	M
M	C00101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
X	C00102	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00103	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00104	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00105	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00106	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00107	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00108	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00113	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
X	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
	UIT02	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	X R 1/17

Code identifying the type of unit price for an item

CA	Catalog
CP	Current Price (Subject to Change)
CT	Contract
DI	Distributor
DS	Discount
NC	No Charge
PR	Promotion
QT	Quoted
SR	Suggested Retail
WH	Wholesale

**Segment:** **LDT** Lead Time  
**Position:** 350  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify lead time for availability of products and services  
**Syntax Notes:**  
**Semantic Notes:** 1 LDT04 is the effective date of lead time information.  
**Comments:** 1 LDT02 is the quantity of unit of time periods.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	LDT01	345	<b>Lead Time Code</b> Code indicating the time range AE From date of PO receipt to shipment AF From date of PO receipt to delivery AI From Date of a Specified Event to Delivery	M ID 2/2
M	LDT02	380	<b>Quantity</b> Numeric value of quantity	M R 1/15
M	LDT03	344	<b>Unit of Time Period or Interval</b> Code indicating the time period or interval BM Bimonthly BW Bi-weekly DA Calendar Days DW Work Days DY Day MO Month NX Next Six Months PM Preceding 12 Months WK Weeks	M ID 2/2
	LDT04	373	<b>Date</b> Date expressed as CCYYMMDD	O DT 8/8



**Segment:** **SCH** Line Item Schedule

**Position:** 360

**Loop:** SCH Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:** 1 If SCH03 is present, then SCH04 is required.

2 If SCH08 is present, then at least one of SCH09 or SCH10 is required.

3 If SCH09 is present, then SCH08 is required.

4 If SCH10 is present, then SCH08 is required.

**Semantic Notes:** 1 SCH12 is the schedule identification.

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SCH01	380	<b>Quantity</b> Numeric value of quantity	M R 1/15
M	SCH02	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
	SCH03	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual BS Bill and Ship To BT Bill-to-Party BY Buying Party (Purchaser) DB Distributor Branch DS Distributor MF Manufacturer of Goods SE Selling Party SF Ship From ST Ship To VN Vendor	O ID 2/3
	SCH04	93	<b>Name</b> Free-form name	X AN 1/60
M	SCH05	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 017 Estimated Delivery	M ID 3/3
M	SCH06	373	<b>Date</b> Date expressed as CCYYMMDD	M DT 8/8
X	SCH07	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8
X	SCH08	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	X ID 3/3
X	SCH09	373	<b>Date</b> Date expressed as CCYYMMDD	X DT 8/8
X	SCH10	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-	X TM 4/8

59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

X	SCH11	326	<b>Request Reference Number</b>	O AN 1/45
			Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	
X	SCH12	350	<b>Assigned Identification</b>	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	

**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	<b>Number of Line Items</b> Total number of line items in the transaction set	M N0 1/6
X	CTT02	347	<b>Hash Total</b> Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O R 1/10
X	CTT03	81	<b>Weight</b> Numeric value of weight	X R 1/10
X	CTT04	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
X	CTT05	183	<b>Volume</b> Value of volumetric measure	X R 1/8
X	CTT06	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
X	CTT07	352	<b>Description</b> A free-form description to clarify the related data elements and their content	O AN 1/80

**Segment:** **SE** Transaction Set Trailer  
**Position:** 020  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

#### Data Element Summary

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