

832 Price/Sales Catalog

Functional Group ID=**SC**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Price/Sales Catalog Transaction Set (832) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to furnishing or requesting the price of goods or services in the form of a catalog.

Notes:

1. This transaction set is used by commercial firms to submit to an agency of the Federal Government a catalog of goods and/or services available to the general public; a catalog of goods and/or services available only to Government entities; sales information that is not available within a catalog; or to identify special promotions.

2. This transaction set may also be used by Government agencies as a catalog of items that are for sale to other Government agencies or to the general public, e.g., the Government Printing Office.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BCT	Beginning Segment for Price/Sales Catalog	M	1		
Not Used	040	CTP	Pricing Information	O	100		
	050	REF	Reference Identification	O	>1		
Not Used	055	YNQ	Yes/No Question	O	10		
Not Used	060	PER	Administrative Communications Contact	O	>1		
	070	DTM	Date/Time Reference	O	10		
	080	CTB	Restrictions/Conditions	O	25		
	090	CUR	Currency	O	5		
	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
	120	LDT	Lead Time	O	>1		
	130	SAC	Service, Promotion, Allowance, or Charge Information	O	>1		
Not Used	133	TD1	Carrier Details (Quantity and Weight)	O	>1		
Not Used	134	TD5	Carrier Details (Routing Sequence/Transit Time)	O	>1		
Not Used	135	TD3	Carrier Details (Equipment)	O	>1		
Not Used	136	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1		
	140	FOB	F.O.B. Related Instructions	O	1		
Not Used	142	PKG	Marking, Packaging, Loading	O	>1		

Not Used	145	G93	Price Bracket Identification	O	50	
	146	TXI	Tax Information	O	>1	
Not Used	147	AAA	Request Validation	O	1	
LOOP ID - N1						>1
Must Use	150	N1	Name	O	1	
	160	N2	Additional Name Information	O	2	
	170	N3	Address Information	O	2	
	180	N4	Geographic Location	O	>1	
	190	REF	Reference Identification	O	12	
Not Used	195	PKG	Marking, Packaging, Loading	O	>1	
	200	PER	Administrative Communications Contact	O	>1	
Not Used	201	DTM	Date/Time Reference	O	10	
LOOP ID - LM						>1
Not Used	210	LM	Code Source Information	O	1	
Not Used	220	LQ	Industry Code	M	>1	
LOOP ID - N9						>1
	230	N9	Reference Identification	O	1	
	240	DTM	Date/Time Reference	O	>1	

Detail:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - LIN						>1
	010	LIN	Item Identification	O	1	
	012	PO1	Baseline Item Data	O	1	
	015	G53	Maintenance Type	O	1	n1
Not Used	025	SI	Service Characteristic Identification	O	>1	
	030	DTM	Date/Time Reference	O	10	
	040	REF	Reference Identification	O	>1	
	045	YNQ	Yes/No Question	O	10	
Not Used	050	PER	Administrative Communications Contact	O	>1	
Not Used	055	CRD	Content Reporting Detail	O	>1	
	060	CTB	Restrictions/Conditions	O	25	
	070	PID	Product/Item Description	O	200	
	080	MEA	Measurements	O	40	
Not Used	090	PKG	Marking, Packaging, Loading	O	25	
	100	PO4	Item Physical Details	O	1	
Not Used	107	TD1	Carrier Details (Quantity and Weight)	O	>1	
Not Used	108	TD5	Carrier Details (Routing Sequence/Transit Time)	O	>1	
Not Used	109	TD3	Carrier Details (Equipment)	O	>1	
	110	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1	
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
	140	LDT	Lead Time	O	1	
	150	SAC	Service, Promotion, Allowance, or Charge Information	O	>1	

	160	FOB	F.O.B. Related Instructions	O	1
Not Used	164	AAA	Request Validation	O	1
Not Used	165	TC2	Commodity	O	2
	166	TXI	Tax Information	O	>1
Not Used	168	G55	Item Characteristics - Consumer Unit	O	1
Not Used	169	G54	Module Description	O	1
LOOP ID - CTP					100
	170	CTP	Pricing Information	O	1
Not Used	175	G40	Bracket Price	O	99
	180	DTM	Date/Time Reference	O	10
Not Used	182	G36	Price List Reference	O	1
Not Used	190	LDT	Lead Time	O	1
Not Used	200	CUR	Currency	O	5
Not Used	210	PO4	Item Physical Details	O	1
Not Used	220	CTB	Restrictions/Conditions	O	5
Not Used	225	REF	Reference Identification	O	>1
Not Used	227	G43	Promotion/Price List Area	O	9999
	228	SAC	Service, Promotion, Allowance, or Charge Information	O	>1
Not Used	229	G26	Pricing Conditions	O	99
LOOP ID - N1					>1
	230	N1	Name	O	1
	240	N2	Additional Name Information	O	2
	250	N3	Address Information	O	2
	260	N4	Geographic Location	O	1
Not Used	270	REF	Reference Identification	O	12
	280	PER	Administrative Communications Contact	O	>1
Not Used	281	DTM	Date/Time Reference	O	10
Not Used	282	PKG	Marking, Packaging, Loading	O	>1
LOOP ID - G39					>1
Not Used	283	G39	Item Characteristics - Vendor's Selling Unit	O	1
Not Used	284	CTP	Pricing Information	O	1
LOOP ID - PKL					20
Not Used	285	PKL	Multi-Pack Configuration	O	1
Not Used	290	CTP	Pricing Information	O	1
Not Used	295	PKG	Marking, Packaging, Loading	O	2
LOOP ID - LFG					1
Not Used	300	LFG	Hazardous Information, Finished Goods	O	1
LOOP ID - CRC					>1
Not Used	310	CRC	Conditions Indicator	O	1
Not Used	320	QTY	Quantity	O	1
LOOP ID - LM					>1
Not Used	330	LM	Code Source Information	O	1
Not Used	340	LQ	Industry Code	M	>1
LOOP ID - SLN					>1

	350	SLN	Subline Item Detail	O	1
Not Used	360	SI	Service Characteristic Identification	O	>1
	370	PID	Product/Item Description	O	>1
	380	DTM	Date/Time Reference	O	>1
Not Used	390	CTP	Pricing Information	O	>1
Not Used	400	PAM	Period Amount	O	>1
Not Used	410	PO4	Item Physical Details	O	>1
Not Used	420	PKG	Marking, Packaging, Loading	O	>1
Not Used	430	QTY	Quantity	O	>1
	440	MEA	Measurements	O	>1
Not Used	450	SAC	Service, Promotion, Allowance, or Charge Information	O	>1
Not Rec	460	MTX	Text	O	>1
LOOP ID - LM					>1
Not Used	470	LM	Code Source Information	O	1
Not Used	480	LQ	Industry Code	M	>1
LOOP ID - N9					>1
	490	N9	Reference Identification	O	1
	500	DTM	Date/Time Reference	O	>1

Summary:

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

Transaction Set Notes

1. If BCT10 is used and G5301 is used, then the G5301 takes precedence.
2. Number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction.

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.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 832 Price/Sales Catalog	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>This unique control number is assigned by the originator of the transaction set or by the originator's application program. This same number is carried in SE02.</i>	M AN 4/9

Segment: **BCT** Beginning Segment for Price/Sales Catalog
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Price/Sales Catalog Transaction Set and specify catalog purpose and number information

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	BCT01	683	Catalog Purpose Code	M ID 2/2
			Code indicating purpose of catalog	
			<i>Use to identify the type of catalog.</i>	
			CP	Customized Catalog
				A collection of criteria for the user of a catalog that generates responses from the catalog when the criteria are met
				<i>Use to indicate a catalog (with or without prices) of goods and/or services available only to government entities.</i>
			PC	Price Catalog
				<i>Use to indicate a catalog (with or without prices) of goods and/or services available to the general public.</i>
			PS	Price Sheet
				<i>Use to indicate a price list.</i>
			SC	Sales Catalog
				<i>Use to indicate sales information (with or without prices) not available within a catalog, e.g., a sales brochure, notice of future sales items, etc.</i>
Must Use	BCT02	684	Catalog Number	O AN 1/15
			Identifying number for catalog or superseded catalog	
			<i>1. A unique number assigned by the originator of the transaction set that identifies the catalog being transmitted.</i>	
			<i>2. Cite the catalog number that is being superseded in BCT06, if applicable.</i>	
Not Used	BCT03	685	Catalog Version Number	O AN 1/15

			Identifying version number of catalog or superseded catalog	
	BCT04	686	Catalog Revision Number	O AN 1/6
			Identifying revision number of catalog or superseded catalog	
			<i>1. A unique number assigned by the originator of the transaction set that identifies the revision, if any, to the catalog being cited in BCT02.</i>	
			<i>2. When used, cite the revision that is being superseded in BCT08, if applicable.</i>	
			<i>3. When this data element is used, BCT10 shall cite code 02, 03, or 04.</i>	
Not Used	BCT05	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	
	BCT06	684	Catalog Number	O AN 1/15
			Identifying number for catalog or superseded catalog	
			<i>Use to identify a catalog number which is superseded by the catalog number cited in BCT02. When this data element is used, BCT10 shall cite code 05.</i>	
Not Used	BCT07	685	Catalog Version Number	O AN 1/15
			Identifying version number of catalog or superseded catalog	
	BCT08	686	Catalog Revision Number	O AN 1/6
			Identifying revision number of catalog or superseded catalog	
			<i>Use to identify a catalog revision number that is being superseded.</i>	
	BCT09	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>Use to identify the title of the catalog cited in BCT02.</i>	
Must Use	BCT10	353	Transaction Set Purpose Code	O ID 2/2
			Code identifying purpose of transaction set	
			<i>Use of this data element is REQUIRED.</i>	
		00	Original	
			<i>Use to indicate an original catalog.</i>	
		02	Add	
			<i>1. Use only when BCT04 is used.</i>	
			<i>2. Use to indicate an addition to a previously transmitted catalog. When used, this code signifies the addition of a new or first occurrence of a free standing segment(s) or a new or first iteration of a loop(s). When used, transmit the segment(s) or loop(s) containing the data to be added in their entirety.</i>	

	<p>3. If this change is the result of an approved contract modification, cite the contract modification number in the 1/N9/230 segment citing code 92 in N901.</p>
03	<p>Delete</p> <p>1. Use only when BCT04 is used.</p> <p>2. Use to indicate a deletion from a previously transmitted catalog. When used, this code signifies the deletion, without replacement, of an entire occurrence of a free standing segment(s) or an entire iteration of a loop(s). When used, transmit the segment(s) or loop(s) containing the data to be deleted in their entirety.</p> <p>3. If this change is the result of an approved contract modification, cite the contract modification number in the 1/N9/230 segment citing code 92 in N901.</p>
04	<p>Change</p> <p>1. Use only when BCT04 is used.</p> <p>2. Use to indicate a change to a previously transmitted catalog that contains a combination of data additions, deletions or changes. When used, transmit all segments or loops that contain data additions, deletions or changes in their entirety. Use this code only when codes 02 or 03 do not apply.</p> <p>3. If this change is the result of an approved contract modification, cite the contract modification number in the 1/N9/230 segment citing code 92 in N901.</p>
05	<p>Replace</p> <p>Use to indicate a replacement for a superseded catalog. Use when BCT06, is used.</p>
07	<p>Duplicate</p> <p>Use when transmitting a duplicate of a previously transmitted transaction set.</p>
42	<p>Temporary Record</p> <p>Preliminary data that will be replaced with permanent information once verification of accuracy and completeness has been performed</p> <p>Use to indicate a promotion or special sale. When used, there must be 1 use of the 1/N9/230 segment</p>

citing code PD in N901.

Segment: **REF** Reference Identification

Position: 050

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: *Use to indicate the World Wide Web Uniform Resource Locator (URL) where the originator's catalog may be found.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification URL Uniform Resource Locator <i>Use to indicate the World Wide Web Uniform Resource Locator (URL) where the originator's catalog may be found. When used, cite the address in REF03.</i>	M ID 2/3
Not Used	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
	REF03	352 Description A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used	REF04	C040 Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128 Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128 Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30

Segment: **DTM** Date/Time Reference

Position: 070

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:

Notes: *Use this segment to identify dates that apply to all of the items in the catalog. When the dates vary by item, use the 2/DTM/030 segment.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
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	
			<i>Use to indicate the effective date of a catalog, revision, change to a catalog, etc.</i>	
			036 Expiration	
			Date coverage expires	
			<i>Use to indicate the expiration date of a catalog.</i>	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
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	
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: **CTB** Restrictions/Conditions
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: 25
Purpose: To specify restrictions/conditions (such as shipping, ordering)

- Syntax Notes:**
- 1 At least one of CTB02 CTB04 or CTB06 is required.
 - 2 If either CTB03 or CTB04 is present, then the other is required.
 - 3 If either CTB05 or CTB06 is present, then the other is required.

Semantic Notes:

Comments:

- Notes:**
1. *Use this segment when the restrictions/conditions apply to all of the items in the catalog. Use the 2/CTB/060 segment when the restrictions/conditions vary by item.*
 2. *If the selling party WILL NOT accept orders from state and local governments, this information shall be provided in this segment by citing code DW in CTB01. If there are no restrictions regarding from whom the selling party will accept orders, do not use code DW in CTB01.*
 3. *Codes used in CTB01 at this location, may not be used in the 2/CTB/060 segment.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	CTB01	688	Restrictions/Conditions Qualifier	M ID 2/2
			Code identifying the type of restriction/condition	
		DW	Direct and Wholesaler	
			<i>Use only if the selling party will not accept orders from state and local governments. When used, identify in CTB02 from whom the selling party will accept orders.</i>	
		NR	Nonreturnable	
			<i>Use to indicate items are nonreturnable. When used, identify specific conditions applicable to nonreturnable items in CTB02.</i>	
		OR	Ordering	
			<i>Use to indicate a minimum or maximum order quantity and/or monetary amount.</i>	
		SR	Shipping	
			<i>Use to indicate a minimum or maximum shipment quantity and/or monetary amount.</i>	
	CTB02	352	Description	X AN 1/80

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

Use for a free-form text description of a restriction or condition applicable to the items in the catalog.

CTB03	673	Quantity Qualifier	X ID 2/2
		Code specifying the type of quantity	
		57 Minimum Order Quantity	
		67 Minimum Ship Quantity	
		69 Incremental Order Quantity	
		<p><i>1. Use to indicate the increment, above the minimum quantity, for which additional quantities will be accepted. For example, the minimum quantity may be 50 but quantities above 50 must be in increments of 25.</i></p> <p><i>2. If no minimum quantity is stated (code 57), the minimum quantity will default to the incremental quantity (when code 69 is cited).</i></p>	
		70 Maximum Order Quantity	
		MQ Maximum Ship Quantity	
CTB04	380	Quantity	X R 1/15
		Numeric value of quantity	
CTB05	522	Amount Qualifier Code	X ID 1/3
		Code to qualify amount	
		KQ Incremental Order Amount	
		<p><i>Use to indicate the increment, above the minimum amount, in which orders will be accepted. For example, the minimum order amount may be \$100 but orders above \$100 must be in increments of \$50.</i></p>	
		MA Maximum Amount	
		MO Minimum Order Value	
		Minimum value of order allowed	
CTB06	610	Amount	X N2 1/15
		Monetary amount	

Segment: **CUR** Currency

Position: 090

Loop:

Level: Heading

Usage: Optional

Max Use: 5

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: *Use this segment to identify a foreign currency in which the prices within the catalog are stated. Do not use if the prices are stated in US dollars.*

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	CUR01	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		SE Selling Party	
Must Use	CUR02	100 Currency Code	M ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	
		<i>Use to indicate the currency in which prices are expressed, if other than US dollars.</i>	
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	
Not Used	CUR04	98 Entity Identifier Code	O ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
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	
Not Used	CUR07	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
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	
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	
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	
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		
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: **ITD** Terms of Sale/Deferred Terms of Sale

Position: 110

Loop:

Level: Heading

Usage: Optional

Max Use: 2

Purpose: To specify terms of sale

Syntax Notes:

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

Semantic Notes:

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

Comments:

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

Notes: *Use this segment to identify sales terms that apply to all of the items in the catalog.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	ITD01	336	Terms Type Code Code identifying type of payment terms	O ID 2/2
Not Used	ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period	O ID 1/2
	ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date <i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>	O R 1/6
Not Used	ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned expressed in format CCYYMMDD	X DT 8/8
	ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	X N0 1/3
Not Used	ITD06	446	Terms Net Due Date Date when total invoice amount becomes due expressed in format CCYYMMDD	O DT 8/8
	ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	O N0 1/3
Not Used	ITD08	362	Terms Discount Amount Total amount of terms discount	O N2 1/10
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	
	ITD14	107	Payment Method Code	O ID 1/2
			Code identifying type of payment procedures	
			<i>Use to identify that the originator accepts the government credit card for payment.</i>	
			AC	Credit Card
				<i>Use to indicate the government credit card.</i>
Not Used	ITD15	954	Percent	O R 1/10
			Percentage expressed as a decimal	

Segment: **LDT** Lead Time
Position: 120
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify lead time for availability of products and services

Syntax Notes:

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

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

Notes: *Use this segment when a shipment or delivery lead time applies to all of the items in the catalog. If the lead time varies by item, use the 2/LDT/140 segment. Either this segment or the 2/LDT/140 segment may be used, but not both.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LDT01	345	Lead Time Code	M ID 2/2
			Code indicating the time range	
			AE From date of PO receipt to shipment	
			AF From date of PO receipt to delivery	
			AV From Date of Award to Date of Latest Delivery	
			AW From Date of Award to Date of Earliest Delivery	
			AX From Date of Award to Date of Completion	
			<i>Use only for services.</i>	
			AY From Date of Award to Date of Delivery	
Must Use	LDT02	380	Quantity	M R 1/15
			Numeric value of quantity	
Must Use	LDT03	344	Unit of Time Period or Interval	M ID 2/2
			Code indicating the time period or interval	
			DA Calendar Days	
			DW Work Days	
			MO Month	
Not Used	LDT04	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	

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

Position: 130

Loop:

Level: Heading

Usage: Optional

Max Use: >1

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.

- Notes:**
1. *Use this segment to identify charges, allowances, no charge services and discounts (including "free goods") that apply to all of the items in the catalog. If the charges, allowances, no charge services and discounts vary by line item, use the 2/SAC/150 segment. Codes used in SAC02 at this location, may not be used in the 2/SAC/150 segment.*
 2. *The charge, allowance or discount can be either a dollar rate or a percentage and can be applicable to the item unit price, the line item total amount, the total order amount, or various quantities. This information can also be associated with a zone to which deliveries will be made.*

3. When BCT10 is code 42, discount information identified in this segment refers to promotional discounts.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
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	
		<i>Use to indicate an allowance or discount.</i>	
		C Charge	
		N No Allowance or Charge	
		<i>Use to indicate there is no charge for the specified service.</i>	
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		<i>1. Any code may be used but the following codes are preferred.</i>	
		<i>2. When BCT10 is code 42, codes C300, C310, D170, D440, F910, and I530 are used to identify promotional discounts.</i>	
		<i>A310 Air Express Charge</i>	
		<i>A320 Air Transportation Charge</i>	
		<i>A480 Assembly</i>	
		<i>A880 Cancellation Charge</i>	
		<i>Use to indicate a charge for the cancellation of an order.</i>	
		<i>B940 Cutting Charge</i>	
		<i>C000 Defective Allowance</i>	
		<i>C260 Discount - Incentive</i>	
		<i>Use to indicate that the contractor offers a discount when payment is made using the government credit card. Identify the discount as a total monetary value in SAC05, as a percent in SAC06/07, or as a monetary rate in SAC08.</i>	
		<i>C300 Discount - Special</i>	
		<i>Use to indicate an incremental quantity discount. An incremental quantity discount applies only to the quantity units within its specified range. Successive incremental discounts are applied against a total order quantity. For example, if different discounts are given for quantities, 1 - 10, 11 - 20, 21 - 30, etc., use of this code implies that for a quantity of 25, the first discount applies to the first 10 units, the second discount applies to the next 10 units and the third discount applies to the last 5 units.. Identify the percentage discount in SAC06/07 (citing code 5 in SAC06) or a monetary value discount in</i>	

SAC08. Identify the quantity range in SAC10/11. This is contrast to the F910 step ladder discount that applies a single discount to the total line item quantity.

C310 Discount

Use to indicate a general discount not related to a quantity or purchase amount. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This general discount may be used in combination with C300 or F910. Do not include any general discount within the C300 or F910 discount considerations.

C370 Diversion Charge

C580 Emergency Service

C590 Emergency Surcharge

C880 Expediting Premium.

D170 Free Goods

Use to indicate a quantity provided at no cost if a specified quantity or monetary value is purchased, e.g., buy \$100.00 and get 1 free; or buy 10, get 1 free. When a monetary value is used, identify the "buy" monetary amount in SAC05. When a specified quantity is used, identify the "free" quantity in SAC10 and the "buy" quantity in SAC11.

D290 Full Truckload Allowance

D440 Groupage Discount

Use to indicate a discount applicable to a line item total purchase amount meeting or exceeding a specified threshold or range. Identify the percentage discount in SAC06/07 (citing code 2 in SAC06) or the monetary value discount in SAC08. When a threshold is used, specify the threshold SAC10. When a range is used, specify the range in SAC10/11.

D500 Handling

D530 Hazardous Cargo Charge

D660 Hook-up Charge

D820 Inside Delivery

D890 Installation and Training

D900 Installation

E340 Less Than Truckload (LTL) Charge

E930 One - Day Service

F560 Premium Transportation

F910 Quantity Discount

Use to indicate a step ladder discount applicable to a quantity range. The discount specified for the quantity range containing the total line item quantity is the discount to be applied to the unit price. Identify the percentage discount in SAC06/07 (citing code 5 in SAC06) or a monetary value discount in SAC08. Identify the quantity range in SAC10/11. This is contrast to the C300 incremental discount that applies to that portion of the total line item quantity within each

increment.

G470 Restocking Charge

G600 Same-Day Service

G610 Saturday Delivery

G740 Service Charge

G760 Set-up

G870 Shrink Wrap Charge

H000 Special Allowance

H110 Special Packaging

I330 Two - Day Service

I380 Unloading (Labor Charges)

I530 Volume Discount

Use to indicate a discount applicable to a total order quantity or total order purchase amount meeting or exceeding the threshold specified in SAC10 or range specified in SAC10/11. Identify the percentage discount in SAC06/07 or the monetary value discount in SAC08.

I590 Warranties

Use to indicate the price for a warranty

ZZZZ Mutually Defined

Use to indicate a training charge

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	SAC03	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		
	SAC05	610	Amount	O	N2 1/15
			Monetary amount		
			<i>When SAC02 is code D170, identify the "buy" monetary value to obtain free goods, if applicable. For all other SAC02 codes, see semantic note 2.</i>		
	SAC06	378	Allowance/Charge Percent Qualifier	X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		
		2	Item Net Cost		
			<i>Use to indicate a percentage applied to the Line Item total amount.</i>		
		5	Base Price per Unit		
			<i>Use to indicate a percentage applied to the Line Item unit price.</i>		
		6	Base Price Amount		

Use to indicate a percentage applied to the total order purchase amount.

SAC07	332	Percent	X R 1/6
		Percent expressed as a percent	
		<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>	
SAC08	118	Rate	O R 1/9
		Rate expressed in the standard monetary denomination for the currency specified	
		<i>See semantic note 3.</i>	
SAC09	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		<i>1. Use any code other than code ZZ.</i>	
		<i>2. When code M4 is cited, the monetary amount in SAC10 shall be stated as the currency identified in CUR02 in the I/CUR/090 segment.</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
SAC10	380	Quantity	X R 1/15
		Numeric value of quantity	
		<i>1. When SAC02 is code C300, use to identify the lower end of a quantity range that results in an incremental quantity discount.</i>	
		<i>2. When SAC02 is code D170, use to identify the "free" quantity.</i>	
		<i>3. When SAC02 is code D440, use to identify the line item total purchase amount that results in a discount, if applicable.</i>	
		<i>4. When SAC02 is code F910, use to identify the lower end of a quantity range that results in a step ladder discount.</i>	
		<i>5. When SAC02 is code G740, use to identify the distance applicable to a service charge, if appropriate.</i>	
		<i>6. When SAC02 is code I530, use to identify the total order quantity or total order purchase amount that results in a discount, if applicable.</i>	
		<i>7. When SAC02 is any other code, use to identify the quantity to which the charge, allowance, or discount applies. In most instances this quantity will be 1, but if a greater quantity applies, cite that quantity.</i>	
SAC11	380	Quantity	O R 1/15
		Numeric value of quantity	
		<i>1. Use only if SAC10 is used. SAC10/11 are used together to identify a range except when SAC02 is code D170.</i>	

2. When SAC02 is code C300 or F910, use to identify the upper end of the range associated with SAC10.

3. When SAC02 is code D170, use to identify the "buy" quantity, if applicable.

4. When SAC02 is any other code, use to identify the upper end of a range to which the charge, allowance, or discount applies.

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		
	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		
			<i>If the discount, allowance, charge, or no charge service applies to a delivery zone, identify the zone in this data element. The delivery zones and locations within each zone are identified in the I/N1/150 loop.</i>		
	SAC14	770	Option Number	O	AN 1/20
			A unique number identifying available promotion or allowance options when more than one is offered		
			<i>When SAC02 is code C300, D440, or F910, and the discount can be earned by combining quantities or purchase amounts from line items in a discount group, use this data element to identify the discount group, e.g., DG-A.</i>		
	SAC15	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			<i>Use, if necessary, to provide text information related to an allowance or charge specified within this segment.</i>		
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: **FOB** F.O.B. Related Instructions

Position: 140

Loop:

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify transportation instructions relating to shipment

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

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

Comments:

Notes: *1. Use this segment if the FOB point applies to all of the items in the catalog. If the FOB point varies by Line item, use the 2/FOB/160 segment. Either this segment or the 2/FOB/160 segment may be used, but not both.*

2. If the FOB point varies by delivery zone or destinations within a delivery zone, use the 1/N1/150 loop citing code DZ in N101, identify the delivery zone in N103/104 citing code ZN in N103 and identify the FOB point in N405/406.

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	FOB01	146	Shipment Method of Payment	M ID 2/2
			Code identifying payment terms for transportation charges	
		DF	Defined by Buyer and Seller	
	FOB02	309	Location Qualifier	X ID 1/2
			Code identifying type of location	
		DE	Destination (Shipping)	
		OA	Origin (After Loading on Equipment)	
			<i>Use to indicate FOB Origin with transportation charges prepaid by the seller and added as a separate item to the invoice.</i>	
		OR	Origin (Shipping Point)	
		TM	Terminal	

1. Use to indicate that the FOB point for delivery outside the continental United States is located at a transportation terminal and not at origin or destination.

2. When used, identify the FOB point in FOB03.

W

Worldwide Geographic Location Code

Use to indicate the FOB point for deliveries within the continental United States is destination and the FOB point for deliveries outside the continental United States is origin.

	FOB03	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>When FOB02 is code TM, use to identify the location of the FOB point. Cite the 5 position United Nations code for ports and other locations (UN/LOCODE) in accordance with the United Nations Location Code Manual.</i>	
Not Used	FOB04	334	Transportation Terms Qualifier Code	O ID 2/2
			Code identifying the source of the transportation terms	
Not Used	FOB05	335	Transportation Terms Code	X ID 3/3
			Code identifying the trade terms which apply to the shipment transportation responsibility	
Not Used	FOB06	309	Location Qualifier	X ID 1/2
			Code identifying type of location	
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	
Not Used	FOB09	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **TXI** Tax Information

Position: 146

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify tax information

Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Notes: *Use this segment to identify taxes that apply to all of the items in the catalog. If the taxes vary by line item, use the 2/TXI/166 segment. Either this segment or the 2/TXI/166 segment may be used, but not both.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	TXI01	963 Tax Type Code	M ID 2/2
		Code specifying the type of tax	
		<i>Use any code other than ZZ.</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI02	782 Monetary Amount	X R 1/18
		Monetary amount	
	TXI03	954 Percent	X R 1/10
		Percentage expressed as a decimal	
		<i>Percents will be cited as follows: 4.25% will be cited as 4.25; 3% will be cited as 3 (note: leading and trailing zeros are suppressed).</i>	
Not Used	TXI04	955 Tax Jurisdiction Code Qualifier	X ID 2/2
		Code identifying the source of the data used in tax jurisdiction code	
Not Used	TXI05	956 Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	
Not Used	TXI06	441 Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
	TXI07	662 Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		<i>Use to identify whether or not the taxes are included in the unit prices.</i>	
		A Add	
		I Included	

Not Used	TXI08	828	Dollar Basis For Percent	O R 1/9
			Dollar basis to be used in the percent calculation of the allowance, charge or tax	
Not Used	TXI09	325	Tax Identification Number	O AN 1/20
			Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
Not Used	TXI10	350	Assigned Identification	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	

Segment: **N1** Name

Position: 150

Loop: N1 Optional (Must Use)

Level: Heading

Usage: Optional (Must Use)

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes:

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

Semantic Notes:

Comments:

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

Notes:

1. *Use this loop to identify parties that apply to all items in the catalog. If the information varies by item, use the 2/N1/230 loop.*
2. *Use also to associate entities with delivery zones, if applicable.*
3. *Whenever possible, identification and address information should be provided using code values contained in a combination of N101, N103, and N104. Use N102 and segments N2 through N4, as applicable, when address information cannot be provided using one of the codes listed in N103.*
4. *One N1 segment is REQUIRED citing code SE in N101.*
5. *Codes used in N101 at this location, may not be used in the 2/N1/230 segment.*

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		40 Receiver	
		Entity to accept transmission	
		<i>Use to indicate the entity to receive the catalog.</i>	
		56 Servicing Dealer	
		<i>Use to indicate a dealer who services a product.</i>	
		<i>This is the location to obtain service such as a repair.</i>	
		CT Country of Origin	
		<i>1. Use to indicate the country of origin, as defined in the Buy American Act, when all items in this catalog are other than a United States domestic</i>	

end product and the country of origin is the same for the items. If the country of origin differs by item, use code CH in the 2/LIN/010 segment.

2. When used, cite code 38 in N103 and the two position ISO 3166 country code in N104.

DL

Dealer

Use to indicate a dealer or reseller of products.

DS

Distributor

Use to indicate the distributor of the item(s) contained in the catalog.

DZ

Delivery Zone

Area where the product was delivered

1. Use to indicate a geographic delivery area for which there is a set price. Specify the zone in N104 (e.g., 10, 11, 12, etc.) using code ZN in N103 and identify the states or countries that comprise the zone in N402 or N404. The zone number will be cited in CTP10 when specifying a price for delivery to this zone.

2. If the FOB point varies by delivery zone or by locations within a delivery zone, identify the FOB point in the 1/N4/180 segment. If the FOB point is the same for all locations within a delivery zone, use one repetition of this N1 loop to identify the FOB point and additional repetitions to identify locations within the zone.

MF

Manufacturer of Goods

Use to indicate the manufacturer of the item(s) contained in the catalog.

PL

Party to Receive Purchase Order

Use to indicate the location to which an order is to be sent if different than the address of the selling party, dealer, or distributor.

RI

Remit To

Use to indicate a specific remit-to address when multiple remit-to addresses were provided as part of the trading partner registration process or a new remit-to address is to be used. Do not use when only a single remit-to address was provided as a part of the registration process.

SE

Selling Party

Use to indicate the selling party (i.e., the party originating the price sales catalog).

		SF	Ship From <i>Use to indicate a location from which items will be shipped.</i>	
		SV	Service Performance Site When services are contracted for, this describes the organization for whom or location address at which those services will be performed <i>Use to indicate a location where a service is provided.</i>	
N102	93	Name		X AN 1/60
		Free-form name		
N103	66	Identification Code Qualifier		X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
		1	D-U-N-S Number, Dun & Bradstreet <i>Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.</i>	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix <i>Use of the DUNS or DUNS +4 number is preferred over other codes to identify an entity.</i>	
		10	Department of Defense Activity Address Code (DODAAC) <i>Use to indicate either a Department of Defense or Civilian Agency Activity Address Code.</i>	
		33	Commercial and Government Entity (CAGE)	
		38	Country Code <i>When used, cite the two position ISO 3166 country code in N104.</i>	
		ZN	Zone <i>When N101 is code DZ, use to indicate a delivery zone.</i>	
N104	67	Identification Code		X AN 2/80
		Code identifying a party or other code		
		<i>When N103 is code ZN, cite one of the following::</i>		
		<i>a. A delivery zone designation, e.g., 01, 10, 1a, etc.</i>		
		<i>b. The word "CONUS" to specify all points within the continental United States that are not otherwise identified within a zone.</i>		
		<i>c. The word "WORLD" to specify all points outside the continental United States that are not otherwise identified within a zone.</i>		
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	

Not Used **N106** **98** **Entity Identifier Code** **O ID 2/3**
Code identifying an organizational entity, a physical location, property or an individual

Segment: **N2 Additional Name Information**
Position: 160
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: *This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	N201	93 Name Free-form name	M AN 1/60
	N202	93 Name Free-form name	O AN 1/60

Segment: N3 Address Information
Position: 170
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Notes: *This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
Must Use	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**

Position: 180

Loop: N1 Optional (Must Use)

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.

Notes: 1. *This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*
2. *When N101 is code DZ and N104 does not cite the words "CONUS" or "WORLD", this segment may be used to identify locations within a delivery zone and the FOB point if it varies by delivery zone or locations within a delivery zone.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		<i>Cite the two position ISO 3166 country code.</i>	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		<i>1. When N101 is code DZ and the 1/FOB/140 segment is not used to identify the FOB point, use to specify the FOB point for a delivery zone or for a location within a zone.</i>	
		<i>2. If the FOB point is the same for all locations within a delivery zone, one repetition of the N1 loop should be used to identify the FOB point.</i>	
		DE Destination (Shipping)	
		OA Origin (After Loading on Equipment)	
		<i>Use to indicate FOB Origin with transportation</i>	

charges prepaid by the seller and added as a separate item to the invoice.

OR Origin (Shipping Point)

Use to indicate FOB Origin with transportation charges paid by a Government Bill of Lading (GBL).

TM Terminal

1. Use to indicate that the FOB point for delivery outside the continental United States is located at a transportation terminal and not at origin or destination.

2. When used, identify the FOB point in N406.

ZN Zone Code

Qualifies a code that identifies a geographic area where transportation rates apply

When it is necessary to associate the entity identified in N101 with a delivery zone, use this code in conjunction with an appropriate N101 code (e.g., DL, DS, SV, etc.).

N406 310 Location Identifier O AN 1/30

Code which identifies a specific location

1. When N405 is code TM, use to identify the location of the FOB point. Cite the 5 position United Nations code for ports and other locations (UN/LOCODE) in accordance with the United Nations Location Code Manual.

2. When N405 is code ZN, use to identify a delivery zone associated with the entity identified in N101. Identify the delivery zone using the same zone number or keyword specified in establishing the zone.

Segment: **REF** Reference Identification

Position: 190

Loop: N1 Optional (Must Use)

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:

Notes: *Use, if applicable, to identify the personal identification number assigned to the submitting contractor by the agency receiving this transaction set.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification 4A Personal Identification Number (PIN) A number that uniquely identifies an individual	M ID 2/3
	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	REF03	352 Description A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used	REF04	C040 Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128 Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128 Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128 Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3

Not Used	C04006	127	Reference Identification	X AN 1/30
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Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment: **PER Administrative Communications Contact**
Position: 200
Loop: N1 Optional (Must Use)
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:

Notes: *This segment will be used when the point of contact is related to an entity identified in N101.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
		1A	Review/Repricing Contact	
			<i>Use to indicate the party authorized to provide lower prices, e.g., when the maximum order is reached on Federal Supply Schedule (FSS) contracts.</i>	
		AC	Administrative Contracting Officer	
			<i>Use to indicate the originating party's Contracts Manager for Federal Supply Schedule (FSS) contracts.</i>	
		CR	Customer Relations	
			<i>Use to indicate a customer service contact.</i>	
		EA	EDI Coordinator	
		OD	Order Department	
		SE	Service Organization	
			<i>When N101 is code SV, use to indicate the communication numbers for a service location. Use of PER02 to identify an individual by name is optional.</i>	
		TR	Technical Marketing Representative	
			<i>Use to indicate a technical information contact.</i>	
	PER02	93	Name	O AN 1/60
			Free-form name	

Use to identify the name of a point of contact. Last name followed by first name is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended. PER09 may be used to cite the party's title.

PER03	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		TE Telephone	
		<i>Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.</i>	
PER04	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		<i>The telephone number shall be transmitted as a continuous number with no extraneous characters. Include the country code and area code. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.</i>	
PER05	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		<i>Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a telephone number, PER05/06 can be used to cite a FAX number.</i>	
		FX Facsimile	
PER06	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		<i>The fax number shall be transmitted as a continuous number with no extraneous characters. Include the country code and area code.</i>	
PER07	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		<i>Use to identify a third communications number for the party cited in PER02.</i>	
		EM Electronic Mail	
PER08	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
PER09	443	Contact Inquiry Reference	O AN 1/20
		Additional reference number or description to clarify a contact number	
		<i>Use, if necessary, to provide the title of the party cited in PER02.</i>	

Segment: **N9 Reference Identification**
Position: 230
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:

Notes: *Use this segment to identify references that apply to all of the items in the catalog. If the references vary by item, use the 2/N9/490 segment.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
		92	Change Document Number	
			Reference numbers to track changes made to a contract	
			<i>When BCT10 is code 02, 03, or 04, if the change is the result of a contract modification, use to indicate the contract modification number which authorized the change.</i>	
		GC	Government Contract Number	
			<i>Use to indicate an existing Government contract to which the price list/catalog being transmitted applies.</i>	
		PD	Promotion/Deal Number	
			<i>When BCT10 is code 42, use to indicate a unique promotion or deal number, if applicable.</i>	
		TN	Transaction Reference Number	
			<i>1. Use to indicate the unique reference number of a related transaction set (e.g. an 841 transaction set carrying a technical specification or a drawing). Each transaction set has a unique number. In the case of an 841 transaction set, that number is carried in SPI02.</i>	

2. When used, cite the related transaction set's unique number in N902 and identify the X12 transaction set designator (e.g., 841) of the related transaction set in N907 citing code 7U in N90701.

W6

Federal Supply Schedule Number

Identifies an item with a two-digit group number, two-digit part number, and one-character section letter

Use to indicate an existing Federal Supply Schedule to which the price list/catalog being transmitted applies.

	N902	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	N903	369	Free-form Description	X AN 1/45
			Free-form descriptive text	
			<i>1. Use to provide text information related to the reference cited in N901.</i>	
			<i>2. Use of free-form text is discouraged if the information can be provided by some other means within the transaction set.</i>	
	N904	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
			<i>Use to identify the issue date applicable to the reference cited in N901</i>	
Not Used	N905	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	N906	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	N907	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Must Use	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
		7U	Related Transaction Reference Number	
			<i>Use in conjunction with N901 code TN to indicate the X12 designation (e.g., 841) of the related transaction set.</i>	

Must Use	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **DTM** Date/Time Reference

Position: 240

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: >1

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:

Notes: *Use to indicate dates, other than the issue date, of the reference cited in N901/02.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		015 Promotion Start	
		<i>Use in conjunction with N901 code PD and BCT10 code 42, to indicate the start date of a promotion.</i>	
		016 Promotion End	
		<i>Use in conjunction with N901 code PD and BCT10 code 42, to indicate the end date of a promotion.</i>	
DTM02	373	Date	X DT 8/8
		Date expressed as CCYYMMDD	
DTM03	337	Time	X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
		<i>When DTM01 is code 015 or 016, use to identify the promotion start/end time, if applicable, in HHMM format.</i>	
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	
		LT Local Time	

MT Mountain Time
PT Pacific Time

Not Used	DTM05	1250	Date Time Period Format Qualifier	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
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:	LIN Item Identification
Position:	010
Loop:	LIN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify basic item identification data
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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.
Notes:	<p><i>1. Use this segment to identify all the items in the catalog that can be purchased, including items provided with a system or kit that can be purchased separately.</i></p> <p><i>2. When BCT10 is code 42, use also to identify ALL promotional items. Specify the prices, discounts, restrictions, promotional periods and other necessary information in the applicable segments within this LIN loop.</i></p> <p><i>3. This segment is also used to identify a system, kit, etc., that is comprised of multiple items. When used in this manner, identify the items that comprise the system or kit in the 2/SLN/350 loop. If the item can be purchased separately, it MUST also be identified in this LIN segment.</i></p>

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
LIN01	350 Assigned Identification	O AN 1/20
	Alphanumeric characters assigned for differentiation within a transaction set	
	<i>Use of this data element is RECOMMENDED to specify a catalog number or equivalent identifier to differentiate among items in the</i>	

catalog, e.g., 1, 001, 1001, etc. This identifier is essential to associate specific items or services in the catalog with other items.

Must Use LIN02 235 Product/Service ID Qualifier M ID 2/2

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

1. Data elements 235 and 234 are used in 15 pairs in this segment. Use as many pairs as necessary to identify the item. When working with an identifying pair of data elements, any applicable code can be used with data element 235.

2. Use any code to describe the item. The following is a preferred code list.

AK Refined Product Code

BL Brand/Label

Use to indicate the product's brand or model name, e.g., Trinitron is the Sony brand name for a TV or computer monitor.

CG Commodity Grouping

Use to indicate a commodity code, the 2 position Federal Supply Group code.

CH Country of Origin

Use to indicate the country of origin, as defined in the Buy American Act, when the item is other than a United States domestic end product. When used, cite the 2 position ISO 3166 country code in the following DE 234.

CL Color

DG Discount Grouping

Use to indicate a discount group in which the line item is included.

DP Discontinued Part Number

Use to indicate an item that has been discontinued and replaced by the item identified in this LIN loop.

EN European Article Number (EAN)(2-5-5-1)

EQ Equipment Type

F7 End-Item Description.

Use to indicate the end item to which the item applies.

F8 Next Higher Used Assembly

Use to indicate the next higher assembly to which the item applies.

FS National Stock Number

The NSN shall be transmitted without dashes.

FT *Federal Supply Classification*
Use to indicate the 4 position Federal Supply Classification code or Product Service code.

HI *HIBC (Health Care Industry Bar Code)*

KM *Shelf-Life Code*

KN *Shelf-Life Action Code*

MN *Model Number*

N1 *National Drug Code in 4-4-2 Format*

N2 *National Drug Code in 5-3-2 Format*

N3 *National Drug Code in 5-4-1 Format*

N4 *National Drug Code in 5-4-2 Format*

ND *National Drug Code (NDC).*

PA *Pattern Number*

PD *Part Number Description*

Use to indicate the noun nomenclature of the item.

PI *Purchaser's Item Code*

Use to indicate a GSA Special Item Number

RR *Replacement Product Number*

Use to indicate an item number in this catalog that will replace the item identified in this LIN loop when stock is exhausted.

SN *Serial Number*

SR *Substitute Product Number*

Use to indicate an item number in this catalog that is a suggested substitute for the item identified in this LIN loop.

SS *Superseded Part Number*

Use to indicate an item that is still available but has been superseded by the item identified in this LIN loop.

SV *Service Rendered*

Use to indicate (in clear text) a service.

SZ *Vendor Alphanumeric Size Code (NRMA)*

Use to indicate the size of the item. (No X12 Code Source is associated with this code). Cite a readily understood size applicable to the item, e.g., size for clothing, shoes, rings, etc.

UA *U.P.C./EAN Case Code (2-5-5)*

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

UK *U.P.C./EAN Shipping Container Code (1-2-5-5-1)*

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

VA *Vendor's Style Number*

VP *Vendor's (Seller's) Part Number*

Use to indicate a part number assigned by a contractor other than the

manufacturer.

Refer to 004010 Data Element Dictionary for acceptable code values.

Must Use	LIN03	234	Product/Service ID	M AN 1/48
			Identifying number for a product or service	
	LIN04	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	LIN05	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
	LIN06	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	LIN07	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
	LIN08	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	LIN09	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
	LIN10	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	LIN11	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
	LIN12	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	LIN13	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
	LIN14	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	LIN15	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
	LIN16	235	Product/Service ID Qualifier	X ID 2/2

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

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
LIN18	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
LIN20	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
LIN22	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN23	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
LIN24	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN25	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
LIN26	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN27	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
LIN28	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
LIN29	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
LIN30	235	Product/Service ID Qualifier	X	ID 2/2

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

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN31 **234** **Product/Service ID** **X AN 1/48**
Identifying number for a product or service

Segment: **PO1** **Baseline Item Data**

Position: 012

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify basic and most frequently used line item data

Syntax Notes:

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

Semantic Notes:

Comments:

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

Notes: *Use this segment to identify the manufacturer associated manufacturer's part number for the product specified in the LIN segment.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
PO101	350	Assigned Identification		O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
Not Used	PO102	330 Quantity Ordered		X R 1/15
		Quantity ordered		
Not Used	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		
Not Used	PO104	212 Unit Price		X R 1/17
		Price per unit of product, service, commodity, etc.		
Not Used	PO105	639 Basis of Unit Price Code		O ID 2/2
		Code identifying the type of unit price for an item		
	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)

GE	Generic Name Description <i>Use to identify a manufacturer by a text name when a DUNS, or CAGE code is not available. Cite the name in the following data element.</i>
MF	Manufacturer <i>When used, cite the DUNS number of the manufacturer in the following data element.</i>
ZB	Commercial and Government Entity (CAGE) Code A code that identifies a commercial contractor authorized to do business with the U.S. government <i>Use to indicate a manufacturer who can be identified by a CAGE code. Cite the CAGE code in the following data element.</i>

	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)		
			MG Manufacturer's Part Number		
	PO109	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	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)		
Not Used	PO111	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	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)		
Not Used	PO113	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	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)		
Not Used	PO115	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	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)		
Not Used	PO117	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		

Not Used	PO118	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	PO119	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
Not Used	PO120	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	PO121	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
Not Used	PO122	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	PO123	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
Not Used	PO124	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	PO125	234	Product/Service ID Identifying number for a product or service	X	AN 1/48

Segment: **G53** Maintenance Type
Position: 015
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the specific type of item maintenance
Syntax Notes:
Semantic Notes:
Comments:

Notes: *When BCT10 is code 02, 03, or 04, use to identify the action applicable to the item identified in the same LIN loop.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	G5301	875	Maintenance Type Code	M ID 3/3
			Code identifying the specific type of item maintenance	
		001	Change	
			<i>Use only when the codes 002 or 021 do not apply. When used, the entire LIN loop must be transmitted containing ALL information applicable to the item identified in LIN01.</i>	
		002	Delete	
			<i>Use only when an item identified in the same LIN loop is being deleted from the catalog.</i>	
		021	Addition	
			<i>Use only when the item identified in the same LIN loop is being added to the catalog.</i>	
		CEP	Change Excluding Price	
		PRI	Price Change Only	

Segment: **DTM** Date/Time Reference

Position: 030

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

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

Semantic Notes:

Comments:

Notes: *When the 2/G53/015 segment is transmitted, use this segment to identify the effective date for the change.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
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	
			<i>When the G5301 is used, indicate the date the action is effective.</i>	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
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	
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: **REF** Reference Identification

Position: 040

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

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

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: *Use to indicate the World Wide Web Uniform Resource Locator (URL) where additional information related to the item cited in the same LIN loop may be found.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification URL Uniform Resource Locator <i>Use to indicate the World Wide Web Uniform Resource Locator (URL) where additional information related to the item cited in the same LIN loop may be found. When used, cite the address in REF03.</i>	M ID 2/3
Not Used	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
	REF03	352 Description A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used	REF04	C040 Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128 Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128 Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
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	
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: **YNQ** Yes/No Question

Position: 045

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

Syntax Notes:

- 1 Only one of YNQ01 YNQ09 or YNQ10 may be present.
- 2 If either YNQ03 or YNQ04 is present, then the other is required.
- 3 If YNQ09 is present, then YNQ08 is required.

Semantic Notes:

- 1 YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.
- 2 YNQ10 contains a free-form question when codified questions are not available.

Comments:

Notes: *Use this segment to indicate if the item identified in this LIN loop has been granted recognized approval by a certified organization.*

Data Element Summary

Ref.	Data		Attributes
Des.	Element	Name	
YNQ01	1321	Condition Indicator	X ID 2/2
		Code indicating a condition	
		ZW Canadian Standards Association (CSA) Approved	
		ZY Underwriters Laboratory (UL) Approved	
Must Use	YNQ02	1073 Yes/No Condition or Response Code	M ID 1/1
		Code indicating a Yes or No condition or response	
		N No	
		Y Yes	
YNQ03	1250	Date Time Period Format Qualifier	X ID 2/3
		Code indicating the date format, time format, or date and time format	
		<i>When YNQ02 is code Y, use to identify the approval date, if known.</i>	
		D8 Date Expressed in Format CCYYMMDD	
YNQ04	1251	Date Time Period	X AN 1/35
		Expression of a date, a time, or range of dates, times or dates and times	
Not Used	YNQ05	933 Free-Form Message Text	O AN 1/264
		Free-form message text	
Not Used	YNQ06	933 Free-Form Message Text	O AN 1/264
		Free-form message text	
Not Used	YNQ07	933 Free-Form Message Text	O AN 1/264
		Free-form message text	
Not Used	YNQ08	1270 Code List Qualifier Code	X ID 1/3

			Code identifying a specific industry code list		
Not Used	YNQ09	1271	Industry Code	X	AN 1/30
			Code indicating a code from a specific industry code list		
Not Used	YNQ10	933	Free-Form Message Text	X	AN 1/264
			Free-form message text		

Segment: **CTB** Restrictions/Conditions
Position: 060
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To specify restrictions/conditions (such as shipping, ordering)
Syntax Notes:

- 1 At least one of CTB02 CTB04 or CTB06 is required.
- 2 If either CTB03 or CTB04 is present, then the other is required.
- 3 If either CTB05 or CTB06 is present, then the other is required.

Semantic Notes:

Comments:

- Notes:**
1. Use this segment when the restriction or condition applies to the item in this LIN loop. If the restrictions or conditions apply to all of the items in the catalog, use the 1/CTB/080.
 2. Codes used in CTB01 at this location, may not be used in the 1/CTB/080 segment.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTB01	688	Restrictions/Conditions Qualifier
			Code identifying the type of restriction/condition
		DW	Direct and Wholesaler
			<i>Use only if the selling party will not accept orders from state and local governments. When used, identify in CTB02 from whom the selling party will accept orders.</i>
		NR	Nonreturnable
			<i>Use to indicate a non-returnable quantity and/or monetary amount.</i>
		OR	Ordering
			<i>Use to indicate a minimum or maximum order quantity and/or monetary amount.</i>
		SP	Special Order Only
			<i>Use to indicate that the item is not available from inventory.</i>
		SR	Shipping
			<i>Use to indicate a minimum or maximum shipment quantity and/or monetary amount.</i>
	CTB02	352	Description
			A free-form description to clarify the related data elements and their content
			X AN 1/80

Use for a free-form text description of a restriction or condition applying to either a quantity or a dollar amount of the item.

CTB03	673	Quantity Qualifier	X ID 2/2
		Code specifying the type of quantity	
		57 Minimum Order Quantity	
		67 Minimum Ship Quantity	
		69 Incremental Order Quantity	
		<i>1. Use to indicate the increment, above the minimum quantity, for which additional quantities will be accepted. For example, the minimum quantity may be 50 but quantities above 50 must be in increments of 25.</i>	
		<i>2. If no minimum quantity is stated (code 57), the minimum quantity will default to the incremental quantity (when code 69 is cited).</i>	
		70 Maximum Order Quantity	
		MQ Maximum Ship Quantity	
CTB04	380	Quantity	X R 1/15
		Numeric value of quantity	
CTB05	522	Amount Qualifier Code	X ID 1/3
		Code to qualify amount	
		KQ Incremental Order Amount	
		<i>Use to indicate the increment, above the minimum amount, in which orders for this item will be accepted. For example, the minimum order amount may be \$100 but orders above \$100 must be in increments of \$50.</i>	
		MA Maximum Amount	
		MO Minimum Order Value	
		Minimum value of order allowed	
		<i>Use code "MO" to represent the minimum order amount.</i>	
CTB06	610	Amount	X N2 1/15
		Monetary amount	

Segment: **PID** Product/Item Description
Position: 070
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 200
Purpose: To describe a product or process in coded or free-form format

- Syntax Notes:**
- 1 If PID04 is present, then PID03 is required.
 - 2 At least one of PID04 or PID05 is required.
 - 3 If PID07 is present, then PID03 is required.
 - 4 If PID08 is present, then 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.

- Notes:**
1. *Use to describe a product or service in a coded format, in free form text, or in both a coded format and free form text.*
 2. *Use also to provide information related to the product or service, e.g., warranty conditions, shipping information, material condition, etc.*

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	PID01	349 Item Description Type	M ID 1/1
		Code indicating the format of a description	
		F Free-form	<i>Use only when a free-form text description will be carried in PID05.</i>
		S Structured (From Industry Code List)	<i>Use when a code from an industry code list will be qualified and carried in PID03/04.</i>
		X Semi-structured (Code and Text)	<i>Use when a code and a free-form text description will be carried in the segment.</i>
	PID02	750 Product/Process Characteristic Code	O ID 2/3

Code identifying the general class of a product or process characteristic

Any code may be used.

08 Product

When PID03 is code GS, use to indicate that the value cited in PID04 is the Federal Supply Schedule (FSS) Product Code (PCode).

12 Type/and/or Process

When PID03 is code GS, use to indicate that the value cited in PID04 is a code assigned by GSA to indicate special properties of the item, e.g., environmental features such as Low VOC, Recyclable, etc.

93 Shipping Unit Component

Use to indicate the item comes in a reusable shipping container. Identify the type of container in PID05 using either text or an applicable number, e.g., an NSN.

MAC Material Classification

Use, in conjunction with PID03 code AS, to indicate the item is other than new/unused. When used, cite the appropriate code in PID04 to indicate the material classification

WD Warranty Description

Use to indicate warranty conditions. Specify the general conditions in PID05, e.g., factory warranty, shop warranty, etc. Use the 2/MEA/080 segment to identify the length of the warranty

Refer to 004010 Data Element Dictionary for acceptable code values.

PID03 559 Agency Qualifier Code X ID 2/2

Code identifying the agency assigning the code values

1. Use any code, other than code ZZ.

2. When PID02 is code MAC, cite code AS

Refer to 004010 Data Element Dictionary for acceptable code values.

PID04 751 Product Description Code X AN 1/12

A code from an industry code list which provides specific data about a product characteristic

1. An actual code from an agency code list when the agency is specified in PID03.

2. When PID02 is code MAC, cite the material classification of the item using the following: cite the letter R for reconditioned, cite the letter M for modified, or cite the letter U for used.

PID05 352 Description X AN 1/80

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

1. Use to provide free form text information applicable to the item cited in the same LIN loop.

2. When PID02 is code 93, identify the type of reusable container using either text or an applicable number, e.g., an NSN.

Not Used	PID06	752	Surface/Layer/Position Code	O ID 2/2
			Code indicating the product surface, layer or position that is being described	
Not Used	PID07	822	Source Subqualifier	O AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier	
Not Used	PID08	1073	Yes/No Condition or Response Code	O ID 1/1
			Code indicating a Yes or No condition or response	
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: **MEA** Measurements
Position: 080
Loop: LIN 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.

Notes: *Use this segment to identify measurements applicable to the item identified in this LIN loop, e.g., dimensions, capacity, the length of a warranty period, variations in quantity, tolerances, etc.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
MEA01	737	Measurement Reference ID Code	O ID 2/2

Code identifying the broad category to which a measurement applies

Use any code. The following is a list of preferred codes which should be used in accordance with their notes.

AM Capacity

PS Product Characteristic Specification

Use, in conjunction with MEA02 codes, to indicate the specifications applicable to the item identified in this LIN loop.

QV Variations in Quantity

Use to indicate variations in quantity, expressed either as a discrete quantity or a percent, that can be expected when orders are delivered.

Use MEA04-01 to identify the unit of measure for a discrete quantity variation or to cite code P1 for a percent variation. Specify the quantity under and/or over in MEA05/06.

TO Total Dimensions

WR Warranty

Use, in conjunction with MEA02 code TT, to indicate a warranty period. Specify the length of the warranty period in MEA03 and the time period in MEA0401.

			Refer to 004010 Data Element Dictionary for acceptable code values.	
	MEA02	738	Measurement Qualifier	O ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies	
			<i>Use any code other than code ZZZ.</i>	
			<i>M4 Area</i>	
			<i>Use in conjunction with MEA01 code AN to indicate a work area.</i>	
			<i>TT Time</i>	
			<i>Use in conjunction with MEA01 code WR.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	MEA03	739	Measurement Value	X R 1/20
			The value of the measurement	
	MEA04	C001	Composite Unit of Measure	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>1. Use any code, other than code ZZ.</i>	
			<i>2. An application program conversion table may be required to convert agency codes to Accredited Standards Committee (ASC) X12 codes.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10

			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00111	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00114	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	MEA05	740	Range Minimum The value specifying the minimum of the measurement range <i>1. Use to indicate a minimum measurement, e.g., a minimum tolerance.</i>	X R 1/20
	MEA06	741	Range Maximum The value specifying the maximum of the measurement range <i>1. Use to indicate a maximum measurement, e.g., a maximum tolerance.</i> <i>2. When MEA01 is code QV, use to specify the variation in quantity over as a discrete value or as a percent.</i> <i>3. When MEA02 is code M4, use to specify the maximum limit of the work area.</i>	X R 1/20
Not Used	MEA07	935	Measurement Significance Code Code used to benchmark, qualify or further define a measurement value	O ID 2/2
Not Used	MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric measurement value cannot be determined	X ID 2/2
Not Used	MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2
Not Used	MEA10	1373	Measurement Method or Device The method or device used to record the measurement	O ID 2/4

Segment: **PO4** Item Physical Details
Position: 100
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

- Syntax Notes:**
- 1 If either PO402 or PO403 is present, then the other is required.
 - 2 If PO405 is present, then PO406 is required.
 - 3 If either PO406 or PO407 is present, then the other is required.
 - 4 If either PO408 or PO409 is present, then the other is required.
 - 5 If PO410 is present, then PO413 is required.
 - 6 If PO411 is present, then PO413 is required.
 - 7 If PO412 is present, then PO413 is required.
 - 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
 - 9 If PO417 is present, then PO416 is required.
 - 10 If PO418 is present, then PO404 is required.

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

- Comments:**
- 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12 -Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
 - 2 PO413 defines the unit of measure for PO410, PO411, and PO412.

- Notes:**
1. *This segment can be used to specify the weight, cube, or dimensions of the unit or intermediate pack; or the unit pack quantity or intermediate container quantity applicable to the item identified in LIN01. To specify the unit pack quantity, use PO401, and PO404 (code UNT). If there are 50 pairs in a unit container, PO401 would cite 50, and PO404 would cite code UNT.*
 2. *If it is necessary to specify not only the quantity of items in a unit container, but also the size and unit of measure of those items, use PO401, PO402, PO403 and PO404. In this instance, if there are 24, 12 ounce bottles in the unit container, PO401 would cite 24, PO402 would cite 12, PO403 would cite code OZ and PO404 would cite code UNT. In either of these examples, the number of unit containers in an intermediate container would be carried in PO414. If only the quantity per intermediate container is required, use code INT in PO404 and cite the quantity in PO414.*

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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	
		<i>Use to identify the unit pack quantity.</i>	
PO402	357	Size	X R 1/8
		Size of supplier units in pack	
		<i>Use only to identify the size of the individual items within a unit container.</i>	
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	
		<i>1. Use any code other than code ZZ..</i>	
		<i>2. An application program conversion table may be required to convert agency codes to ASC X12 codes.</i>	
		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	
		<i>Use any code from part 1 or 2 of this data element. The following is a preferred Part 1 code and should be used as indicated by the note:</i>	
		<i>UNT Unit</i>	
		<i>Use to indicate a unit container.</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO405	187	Weight Qualifier	O ID 1/2
		Code defining the type of weight	
		<i>Use any code, other than code Z.</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO406	384	Gross Weight per Pack	X R 1/9
		Numeric value of gross weight per pack	
		<i>Use to specify the weight of a container. The weight shall be provided to 1 decimal point.</i>	
PO407	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		<i>1. Use any code, other than code ZZ.</i>	
		<i>2. An application program conversion table may be required to convert agency codes to ASC X12 codes.</i>	

			Refer to 004010 Data Element Dictionary for acceptable code values.	
	PO408	385	Gross Volume per Pack	X R 1/9
			Numeric value of gross volume per pack	
			<i>Use to specify the cube of a container. The cube shall be provided to 3 decimal places.</i>	
	PO409	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>1. Use any code, other than code ZZ.</i>	
			<i>2. An application program conversion table may be required to convert agency codes to ASC X12 codes.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	PO410	82	Length	X R 1/8
			Largest horizontal dimension of an object measured when the object is in the upright position	
	PO411	189	Width	X R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
	PO412	65	Height	X R 1/8
			Vertical dimension of an object measured when the object is in the upright position	
			<i>Use to specify the depth of the container.</i>	
	PO413	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>1. Use any code, other than code ZZ.</i>	
			<i>2. An application program conversion table may be required to convert agency codes to ASC X12 codes.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	PO414	810	Inner Pack	O N0 1/6
			The number of eaches per inner container	
			<i>Use to specify the quantity of unit containers in an intermediate container.</i>	
Not Used	PO415	752	Surface/Layer/Position Code	O ID 2/2
			Code indicating the product surface, layer or position that is being described	
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: **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)

Position: 110

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

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

Semantic Notes: 1 TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.

Comments:

Notes: *Use this segment to provide hazardous material information or special handling requirements of the item.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD401	152	Special Handling Code	X ID 2/3
		Code specifying special transportation handling instructions	
		DA Dangerous	
		FL Flammable	
		HM Endorsed as Hazardous Material	
		RM Radioactive Material	
TD402	208	Hazardous Material Code Qualifier	X ID 1/1
		Code which qualifies the Hazardous Material Class Code (209)	
		U United Nations	
TD403	209	Hazardous Material Class Code	X AN 1/4
		Code specifying the kind of hazard for a material	
TD404	352	Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	
		<i>A free-form text description of the cited item.</i>	
Not Used	TD405	1073 Yes/No Condition or Response Code	O ID 1/1
		Code indicating a Yes or No condition or response	

Segment: **LDT** Lead Time
Position: 140
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify lead time for availability of products and services

Syntax Notes:
Semantic Notes: 1 LDT04 is the effective date of lead time information.
Comments: 1 LDT02 is the quantity of unit of time periods.

Notes: *Use this segment to identify a shipment or delivery lead time that applies to the item in this LIN loop. When the lead time applies to all of the items in the catalog, use the 1/LDT/120 segment. Either this segment or the 1/LDT/120 segment may be used, but not both.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LDT01	345	Lead Time Code		M ID 2/2
				Code indicating the time range	
				AE From date of PO receipt to shipment	
				AF From date of PO receipt to delivery	
				AV From Date of Award to Date of Latest Delivery	
				AW From Date of Award to Date of Earliest Delivery	
				AX From Date of Award to Date of Completion	
				<i>Use only for services.</i>	
				AY From Date of Award to Date of Delivery	
Must Use	LDT02	380	Quantity		M R 1/15
				Numeric value of quantity	
Must Use	LDT03	344	Unit of Time Period or Interval		M ID 2/2
				Code indicating the time period or interval	
				DA Calendar Days	
				DW Work Days	
				MO Month	
Not Used	LDT04	373	Date		O DT 8/8
				Date expressed as CCYYMMDD	

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

Position: 150

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: >1

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.

- Notes:**
1. *Use this segment to identify charges, allowances, no charge services and discounts (including "free goods") that apply to the item in this LIN loop. If the charges, allowances, no charge services and discounts apply to all of the items in the catalog, use the 1/SAC/130 segment. Either this segment or the 1/SAC/130 segment can be used, but not both.*
 2. *The charge, allowance or discount can be either a dollar rate or a percentage and can be applicable to the item unit price, the line item total amount, or various quantities. This information can also be associated with a zone to which deliveries will be made.*

3. When BCT10 is code 42, discount information identified in this segment refers to promotional discounts.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
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	
		<i>Use to indicate an allowance or discount.</i>	
		C Charge	
		N No Allowance or Charge	
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		<i>1. Any code may be used but the following codes are preferred.</i>	
		<i>2. When BCT10 is code 42, codes C300, C310, D170, D440, and F910 are used to identify promotional discounts.</i>	
		<i>A310 Air Express Charge</i>	
		<i>A320 Air Transportation Charge</i>	
		<i>A480 Assembly</i>	
		<i>A880 Cancellation Charge</i>	
		<i>Use to indicate a charge for cancellation of an ordered item.</i>	
		<i>B940 Cutting Charge</i>	
		<i>C000 Defective Allowance</i>	
		<i>C300 Discount - Special</i>	
		<i>Use to indicate an incremental quantity discount. An incremental quantity discount applies only to the quantity units within its specified range. Successive incremental discounts are applied against a total order quantity. For example, if different discounts are given for quantities, 1 - 10, 11 - 20, 21 - 30, etc., use of this code implies that for a quantity of 25, the first discount applies to the first 10 units, the second discount applies to the next 10 units and the third discount applies to the last 5 units.. Identify the percentage discount in SAC06/07 (citing code 5 in SAC06) or a monetary value discount in SAC08. Identify the quantity range in SAC10/11. This is contrast to the F910 step ladder discount that applies a single discount to the total line item quantity.</i>	
		<i>C310 Discount</i>	
		<i>Use to indicate a general discount not related to a quantity or purchase amount. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This general discount may be used in</i>	

combination with C300 or F910. Do not include any general discount within the C300 or F910 discount considerations.

- C370 Diversion Charge*
- C580 Emergency Service*
- C590 Emergency Surcharge*
- C880 Expediting Premium.*
- D170 Free Goods*

Use to indicate a quantity provided at no cost if a specified quantity or monetary value is purchased, e.g., buy \$100.00 and get 1 free; or buy 10, get 1 free. When a monetary value is used, identify the "buy" monetary amount in SAC05. When a specified quantity is used, identify the "free" quantity in SAC10 and the "buy" quantity in SAC11.

- D290 Full Truckload Allowance*
- D440 Groupage Discount*

Use to indicate a discount applicable to a line item total purchase amount meeting or exceeding a specified threshold or range. Identify the percentage discount in SAC06/07 (citing code 2 in SAC06) or the monetary value discount in SAC08. When a threshold is used, specify the threshold SAC10. When a range is used, specify the range in SAC10/11.

- D500 Handling*
- D530 Hazardous Cargo Charge*
- D660 Hook-up Charge*
- D820 Inside Delivery*
- D890 Installation and Training*
- D900 Installation*
- E340 Less Than Truckload (LTL) Charge*
- E930 One - Day Service*
- F560 Premium Transportation*
- F910 Quantity Discount*

Use to indicate a step ladder discount applicable to a quantity range. The discount specified for the quantity range containing the total line item quantity is the discount to be applied to the unit price. Identify the percentage discount in SAC06/07 (citing code 5 in SAC06) or a monetary value discount in SAC08. Identify the quantity range in SAC10/11. This is contrast to the C300 incremental discount that applies to that portion of the total line item quantity within each increment.

- G470 Restocking Charge*
- G600 Same-Day Service*
- G610 Saturday Delivery*
- G740 Service Charge*
- G760 Set-up*
- G870 Shrink Wrap Charge*

H000 *Special Allowance*
H110 *Special Packaging*
I330 *Two - Day Service*
I380 *Unloading (Labor Charges)*
I590 *Warranties*
Use to indicate the price for a warranty

ZZZZ *Mutually Defined*
Use to indicate a training charge

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	SAC03	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		
	SAC05	610	Amount	O	N2 1/15
			Monetary amount		
			<i>When SAC02 is code D170, identify the "buy" monetary value to obtain free goods, if applicable. For all other SAC02 codes, see semantic note 2.</i>		
	SAC06	378	Allowance/Charge Percent Qualifier	X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		
		2	Item Net Cost		
			<i>Use to indicate a percentage applied to the Line Item total amount.</i>		
		5	Base Price per Unit		
			<i>Use to indicate a percentage applied to the Line Item unit price.</i>		
	SAC07	332	Percent	X	R 1/6
			Percent expressed as a percent		
			<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>		
	SAC08	118	Rate	O	R 1/9
			Rate expressed in the standard monetary denomination for the currency specified		
			<i>See semantic note 3.</i>		
	SAC09	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>1. Use any code other than code ZZ.</i>		
			<i>2. When code M4 is cited, it refers to the currency identified in the</i>		

	SAC15	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>Use, if necessary, to provide text information related to allowance or charge specified within this segment.</i>	
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: **FOB** F.O.B. Related Instructions

Position: 160

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify transportation instructions relating to shipment

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

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

Comments:

Notes: *Use this segment if the FOB point varies by item. When the FOB point applies to all of the items in the catalog, use the 1/FOB/140 segment. Either this segment or the 1/FOB/140 segment may be used, but not both.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	FOB01	146	Shipment Method of Payment
			Code identifying payment terms for transportation charges
		DF	Defined by Buyer and Seller
Must Use	FOB02	309	Location Qualifier
			Code identifying type of location
		DE	Destination (Shipping)
		OA	Origin (After Loading on Equipment)
			<i>Use to indicate FOB Origin with transportation charges prepaid by the seller and added as a separate item to the invoice.</i>
		OR	Origin (Shipping Point)
	TM	Terminal	
			<i>1. Use to indicate that the FOB point for delivery outside the continental United States is located at a transportation terminal and not at origin or destination.</i>
			<i>2. When used, identify the FOB point in FOB03.</i>
		W	Worldwide Geographic Location Code

Use to indicate the FOB point for deliveries within the continental United States is destination and the FOB point for deliveries outside the continental United States is origin.

	FOB03	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>When FOB02 is code TM, use to identify the location of the FOB point. Cite the 5 position United Nations code for ports and other locations (UN/LOCODE) in accordance with the United Nations Location Code Manual.</i>	
Not Used	FOB04	334	Transportation Terms Qualifier Code	O ID 2/2
			Code identifying the source of the transportation terms	
Not Used	FOB05	335	Transportation Terms Code	X ID 3/3
			Code identifying the trade terms which apply to the shipment transportation responsibility	
Not Used	FOB06	309	Location Qualifier	X ID 1/2
			Code identifying type of location	
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	
Not Used	FOB09	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **TXI** Tax Information

Position: 166

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify tax information

Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Notes: *Use this segment to identify taxes that apply to the items in this LIN loop. If the taxes apply to all of the items in the catalog, use the 1/TXI/146 segment. Either this segment or the 1/TXI/146 segment may be used, but not both.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	TXI01	963 Tax Type Code	M ID 2/2
		Code specifying the type of tax	
		<i>Use any code other than code ZZ.</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI02	782 Monetary Amount	X R 1/18
		Monetary amount	
	TXI03	954 Percent	X R 1/10
		Percentage expressed as a decimal	
		<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>	
Not Used	TXI04	955 Tax Jurisdiction Code Qualifier	X ID 2/2
		Code identifying the source of the data used in tax jurisdiction code	
Not Used	TXI05	956 Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	
Not Used	TXI06	441 Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
	TXI07	662 Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		I Included	
Not Used	TXI08	828 Dollar Basis For Percent	O R 1/9

Dollar basis to be used in the percent calculation of the allowance, charge or tax

Not Used **TXI09** **325** **Tax Identification Number** **O AN 1/20**

Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

Not Used **TXI10** **350** **Assigned Identification** **O AN 1/20**

Alphanumeric characters assigned for differentiation within a transaction set

Segment: **CTP Pricing Information**

Position: 170

Loop: CTP Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify pricing information

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

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

2 CTP08 is the rebate amount.

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

Notes: 1. Use this segment to specify various prices for the item identified in this LIN loop. These include the catalog price, unit prices for step ladder quantities or purchase values, the unit price for delivery to various geographic locations (zones), or other attributes for a unit price, e.g., discounted price, Government price, Federal Supply Schedule price, etc.

2. Example of step ladder quantity prices for quantities 1-10, 11-20, 21-30, and 31 and above:

*CTP**PBQ**1*EA n/l*
*CTP**ICL*25.00*10*EA n/l*
*CTP**ICL*24.50*20*EA n/l*
*CTP**ICL*23.50*30*EA n/l*
*CTP**MAX*22.00*31*EA n/l*

Data Element Summary

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

1. Use to identify an attribute of the unit price cited in CTP03.

2. Use also to identify additional prices applicable to the item, e.g., labor rate price, lease to purchase price, etc.

ALT Alternate Price

Use to indicate a price for a lease with an option to

	<i>purchase.</i>
CAT	Catalog Price <i>Use to indicate a standard commercial price, i. e., the price offered to the general public or the standard dealer price.</i>
D01	Federal Supply Schedule (FSS) Price
DPR	Discount Price <i>Use to indicate the price of the item is already discounted.</i>
GOV	Government Price <i>Use to indicate this is the price to the government.</i>
GTP	Temporary Price Reduction Price <i>Use to indicate this is a temporary discounted price.</i>
ICL	Unit Price Through Quantity <i>1. Use to indicate the end of a quantity range or an item purchase value range applicable to step ladder pricing. Identify the quantity in CTP04 and the applicable unit of measure, e.g., each, dollars, etc. in CTP05.</i> <i>2. Use in conjunction with codes PBQ and MAX for step ladder pricing. Step ladder pricing is defined as the price specified for the range containing the quantity or dollar value purchased, applying to all the items purchased. Use of codes ICL, MAX and PBQ is in contrast to use of code PAQ which identifies quantities at which different prices are applied.</i>
LAR	Labor Rate <i>Use when the item identified in the LIN loop is a labor category and there is one set labor rate for the category.</i>
LPP	Lease to Purchase Price
MAX	Maximum Order Quantity Price <i>1. Use for step ladder pricing to indicate the quantity or item purchase value above which the price will not change. Identify the quantity in CTP04 and the applicable unit of measure, e.g., each, dollars, etc. in CTP05.</i> <i>2. Use in conjunction with codes ICL and PBQ for step ladder pricing. Step ladder pricing is defined as the price specified for the range containing the quantity or dollar value purchased, applying to all</i>

the items purchased. Use of codes ICL, MAX and PBQ is in contrast to use of code PAQ which identifies quantities at which different prices are applied.

MSR

Manufacturer's Suggested Retail

Use to indicate the base price from which the government price is calculated.

PAQ

Price Break Quantity(s)

Use to indicate a quantity where an incremental price break occurs. For example, if price breaks occur at quantities 11, 21, 31, etc., then for a purchase quantity of 25, the first 10 units are at the first price, the next 10 units are at the second price and the last 5 units are at the third price. This is in contrast to step ladder prices where all 25 units are one price.

PBQ

Unit Price Beginning Quantity

1. Use to indicate the beginning of a quantity range or item purchase value range applicable to step ladder pricing. Identify the quantity in CTP04 and the applicable unit of measure, e.g., each, dollars, etc. in CTP05.

2. Use in conjunction with codes ICL and MAX for step ladder pricing. Step ladder pricing is defined as the price specified for the range containing the quantity or dollar value purchased, applying to all the items purchased. Use of codes ICL, MAX and PBQ is in contrast to use of code PAQ which identifies quantities at which different prices are applied.

PRP

Promotional price

1. Use to indicate this is a promotional price. When used, identify the promotion period in the 2/DTM/180 segment.

2. When used in conjunction with codes C300, C310, D170, D440, and F910 in the 2/SAC/228 segment, DO NOT use CTP03.

RPA

Rental Price, Annual

RPM

Rental Price, Monthly

ZNP

Zone Price

Use to indicate the unit price of the item for delivery to a zone cited in CTP10.

CTP03 212 Unit Price

X R 1/17

			Price per unit of product, service, commodity, etc.	
	CTP04	380	Quantity	X R 1/15
			Numeric value of quantity	
			<i>Use in conjunction with CTP05 to provide the quantity associated with the unit of measure for ordering purposes. In most instances, the number 1 is expected.</i>	
	CTP05	C001	Composite Unit of Measure	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>1. Use, in conjunction with CTP01 codes PBQ, ICL, and MAX, to identify the unit of measure applicable to step ladder pricing, e.g., each, cartons, dollars, etc.</i>	
			<i>2. Use also in conjunction with CTP01 code LAR to identify the time period to which the labor rate applies, e.g., hours, years, etc.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	

Not Used	C00112	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00113	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00114	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00115	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
	CTP06	648	Price Multiplier Qualifier	O ID 3/3
			Code indicating the type of price multiplier	
			SEL Selling Multiplier	
			<i>When CTP02 is code ALT, use to indicate the percent of the lease amount that can be applied to the purchase price.</i>	
	CTP07	649	Multiplier	X R 1/10
			Value to be used as a multiplier to obtain a new value	
	CTP08	782	Monetary Amount	O R 1/18
			Monetary amount	
			<i>Use to identify the purchase value applicable to step ladder prices.</i>	
	CTP09	639	Basis of Unit Price Code	O ID 2/2
			Code identifying the type of unit price for an item	
			<i>Use to identify the basis of a lease price, i.e., the payment period.</i>	
			PB Annual Price Per Unit	
			Price changed Once per Year	
			PM Monthly Price Per Unit	
	CTP10	499	Condition Value	O AN 1/10
			Identifies rate restrictions or provisions	
			<i>Use to indicate the delivery zone for the price cited in CTP03.</i>	
	CTP11	289	Multiple Price Quantity	O N0 1/2
			Quantity of units for a given price, e.g., 3 for \$10.00	
			<i>When the price cited in CTP03 is the price for more than a single item, e.g., 3 for \$10, identify the applicable quantity in this data element.</i>	

Segment: **DTM** Date/Time Reference

Position: 180

Loop: CTP Optional

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

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

Semantic Notes:

Comments:

Notes: *Use this segment, if applicable, to identify dates, other than promotion dates, that apply to the prices identified in the CTP segment.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
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	
Not Used	DTM02	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	
Not Used	DTM03	337 Time	X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	DTM04	623 Time Code	O ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	DTM05	1250 Date Time Period Format Qualifier	X ID 2/3
		Code indicating the date format, time format, or date and time format	
		RD8 Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD	
		A range of dates expressed in the format CCYYMMDD-CCYYMMDD where CCYY is the numerical expression of the century CC and year YY, MM is the numerical expression of the month within the year, and DD is the numerical expression of the day within the year; the first occurrence of	

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

Position: 228

Loop: CTP Optional

Level: Detail

Usage: Optional

Max Use: >1

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.

- Notes:**
1. *Use this segment to identify charges, allowances, no charge services and discounts (including "free goods") that apply to the price of the item identified in the LIN segment. The charge, allowance or discount can be either a dollar rate or a percentage and can be applied to the item unit price, the line item total amount, or various quantities. This information can also be associated with a zone to which deliveries will be made.*
 2. *When BCT10 is code 42, discount information identified in this segment refers to promotional discounts.*

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
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	
		<i>Use to indicate an allowance or discount.</i>	
		C Charge	
		N No Allowance or Charge	
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		<i>1. Any code may be used but the following codes are preferred.</i>	
		<i>2. When BCT10 is code 42, codes C300, C310, D170, D440, and F910 are used to identify promotional discounts.</i>	
		<i>3. Use in conjunction with an appropriate CTP02 code.</i>	
		<i>4. Use in conjunction with CTP02 code ZNP if the allowance or charge applies to a delivery zone. In this instance, the charge is additive to the zone price and the allowance is deducted from the zone price.</i>	
		<i>A310 Air Express Charge</i>	
		<i>A320 Air Transportation Charge</i>	
		<i>A480 Assembly</i>	
		<i>A880 Cancellation Charge</i>	
		<i>Use to indicate a charge for cancellation of an ordered item.</i>	
		<i>B940 Cutting Charge</i>	
		<i>C000 Defective Allowance</i>	
		<i>C300 Discount - Special</i>	
		<i>Use to indicate an incremental quantity discount. An incremental quantity discount applies only to the quantity units within its specified range. Successive incremental discounts are applied against a total order quantity. For example, if different discounts are given for quantities, 1 - 10, 11 - 20, 21 - 30, etc., use of this code implies that for a quantity of 25, the first discount applies to the first 10 units, the second discount applies to the next 10 units and the third discount applies to the last 5 units.. Identify the percentage discount in SAC06/07 (citing code 5 in SAC06) or a monetary value discount in SAC08. Identify the quantity range in SAC10/11. This is contrast to the F910 step ladder discount that applies a single discount to the total line item quantity.</i>	
		<i>C310 Discount</i>	
		<i>Use to indicate a general discount not related to a quantity or purchase</i>	

amount. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This general discount may be used in combination with C300 or F910. Do not include any general discount within the C300 or F910 discount considerations.

- C370** *Diversion Charge*
- C580** *Emergency Service*
- C590** *Emergency Surcharge*
- C880** *Expediting Premium.*
- D170** *Free Goods*

Use to indicate a quantity provided at no cost if a specified quantity or monetary value is purchased, e.g., buy \$100.00 and get 1 free; or buy 10, get 1 free. When a monetary value is used, identify the "buy" monetary amount in SAC05. When a specified quantity is used, identify the "free" quantity in SAC10 and the "buy" quantity in SAC11.

- D290** *Full Truckload Allowance*
- D440** *Groupage Discount*

Use to indicate a discount applicable to a line item total purchase amount meeting or exceeding a specified threshold or range. Identify the percentage discount in SAC06/07 (citing code 2 in SAC06) or the monetary value discount in SAC08. When a threshold is used, specify the threshold SAC10. When a range is used, specify the range in SAC10/11.

- D500** *Handling*
- D530** *Hazardous Cargo Charge*
- D660** *Hook-up Charge*
- D820** *Inside Delivery*
- D890** *Installation and Training*
- D900** *Installation*
- E340** *Less Than Truckload (LTL) Charge*
- E930** *One - Day Service*
- F560** *Premium Transportation*
- F910** *Quantity Discount*

Use to indicate a step ladder discount applicable to a quantity range. The discount specified for the quantity range containing the total line item quantity is the discount to be applied to the unit price. Identify the percentage discount in SAC06/07 (citing code 5 in SAC06) or a monetary value discount in SAC08. Identify the quantity range in SAC10/11. This is contrast to the C300 incremental discount that applies to that portion of the total line item quantity within each increment.

- G470** *Restocking Charge*
- G600** *Same-Day Service*
- G610** *Saturday Delivery*
- G740** *Service Charge*

G760 *Set-up*
G870 *Shrink Wrap Charge*
H000 *Special Allowance*
H110 *Special Packaging*
I330 *Two - Day Service*
I380 *Unloading (Labor Charges)*
I590 *Warranties*
Use to indicate the price for a warranty

ZZZZ *Mutually Defined*
Use to indicate a training charge

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	SAC03	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		
	SAC05	610	Amount	O	N2 1/15
			Monetary amount		
			<i>When SAC02 is code D170, identify the "buy" monetary value to obtain free goods, if applicable. For all other SAC02 codes, see semantic note 2.</i>		
	SAC06	378	Allowance/Charge Percent Qualifier	X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		
			2		Item Net Cost
					<i>Use to indicate a percentage applied to the Line Item total amount.</i>
			5		Base Price per Unit
					<i>Use to indicate a percentage applied to the Line Item unit price.</i>
	SAC07	332	Percent	X	R 1/6
			Percent expressed as a percent		
			<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>		
	SAC08	118	Rate	O	R 1/9
			Rate expressed in the standard monetary denomination for the currency specified		
			<i>See semantic note 3.</i>		
	SAC09	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>1. Use any code other than code ZZ.</i>		

2. The delivery zone cited in this data element should be the same as cited in CTP10 of the same CTP loop.

SAC14	770	Option Number	O AN 1/20	
		A unique number identifying available promotion or allowance options when more than one is offered		
		<i>Added data element with the following note: When SAC02 is code C300, D440, or F910, and the discount can be earned by combining quantities or purchase amounts from line items in a discount group, use this data element to identify the discount group, e.g., DG-A.</i>		
SAC15	352	Description	X AN 1/80	
		A free-form description to clarify the related data elements and their content		
		<i>Use, if necessary, to provide text information related to allowance or charge specified within this segment.</i>		
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: **N1** Name
Position: 230
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:

1. *Use this 2/N1/230 loop to identify parties that apply to the cited item in LIN01.*
2. *Whenever possible, identification and address information should be provided using code values contained in a combination of N101, N103, and N104. Use N102 and segments N2 through N4, as applicable, when address information cannot be provided using one of the codes listed in N103.*
3. *Codes used in N101 at this location, may not be used in the 1/N1/150 segment.*

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		56 Servicing Dealer	<i>Use to indicate a dealer who services a product. This is the location to obtain service such as a repair.</i>
		DL Dealer	<i>Use to indicate a dealer or reseller of products.</i>
		DS Distributor	<i>Use to indicate the distributor of the cited item.</i>
		MF Manufacturer of Goods	<i>Use to indicate the manufacturer of the cited item.</i>
		PL Party to Receive Purchase Order	<i>Use to indicate the location to which an order is to be sent if different than the address of the selling party, dealer, or distributor.</i>

		RI	Remit To		
			<i>Use to indicate a specific remit-to address that is unique for the item or service identified in the LIN segment.</i>		
		SF	Ship From		
			<i>Use to indicate a location from which all items will be shipped.</i>		
		SV	Service Performance Site		
			When services are contracted for, this describes the organization for whom or location address at which those services will be performed		
			<i>Use to indicate a location where a service is provided.</i>		
N102	93	Name		X	AN 1/60
		Free-form name			
N103	66	Identification Code Qualifier		X	ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)			
		1	D-U-N-S Number, Dun & Bradstreet		
			<i>Use of the DUNS or DUNS +4 number is preferred over other codes to identify an entity.</i>		
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			<i>Use of the DUNS or DUNS +4 number is preferred over other codes to identify an entity.</i>		
		33	Commercial and Government Entity (CAGE)		
N104	67	Identification Code		X	AN 2/80
		Code identifying a party or other code			
Not Used	N105	706	Entity Relationship Code	O	ID 2/2
			Code describing entity relationship		
Not Used	N106	98	Entity Identifier Code	O	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		

Segment: **N2** Additional Name Information
Position: 240
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: *This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	N201	93 Name Free-form name	M AN 1/60
	N202	93 Name Free-form name	O AN 1/60

Segment: **N3** Address Information
Position: 250
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Notes: *This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
Must Use	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**

Position: 260

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

Syntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: *This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		<i>Cite the two position ISO 3166 country code.</i>	
Not Used	N405	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
Not Used	N406	310 Location Identifier	O AN 1/30
		Code which identifies a specific location	

Segment: **PER** Administrative Communications Contact
Position: 280
Loop: N1 Optional
Level: Detail
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:

Notes: *This segment will be used when the point of contact is related to an entity identified in N101.*

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		SE Service Organization	
		<i>When N101 is code SV, use to indicate the communication numbers for a service location. Use of PER02 to identify an individual by name is optional.</i>	
		TR Technical Marketing Representative	
		<i>Use to indicate a technical information contact.</i>	
	PER02	93 Name	O AN 1/60
		Free-form name	
		<i>Use to identify the name of a point of contact. Last name followed by first name is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended. PER09 may be used to cite the party's title.</i>	
	PER03	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		<i>While any code from the list in this implementation convention can be used, there must be at least one use of code "TE" to provide the telephone number of the party transmitting the price sales catalog.</i>	
		TE Telephone	
		<i>Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.</i>	

PER04	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		<i>The telephone number shall be transmitted as a continuous number with no extraneous characters. Include the country code and area code. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.</i>	
PER05	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		<i>Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a telephone number, PER05/06 can be used to cite a FAX number.</i>	
		FX Facsimile	
PER06	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		<i>The fax number shall be transmitted as a continuous number with no extraneous characters. Include the country code and area code</i>	
PER07	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		EM Electronic Mail	
PER08	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
PER09	443	Contact Inquiry Reference	O AN 1/20
		Additional reference number or description to clarify a contact number	
		<i>Use, if necessary, to provide the title of the party cited in PER02.</i>	

Segment: **SLN** Subline Item Detail

Position: 350

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes:

- 1 If either SLN04 or SLN05 is present, then the other is required.
- 2 If SLN07 is present, then SLN06 is required.
- 3 If SLN08 is present, then SLN06 is required.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

- 1 SLN01 is the identifying number for the subline item.
- 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.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

- 1 See the Data Element Dictionary for a complete list of IDs.
- 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.
- 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.

Notes:

1. *Use this 2/SLN/350 segment only to identify items that:*
 - a. *Are included when a system, kit, other catalog item, or service are purchased or rented (SLN03 code I)*
 - b. *Can be added or deleted (SLN03 is code A or SLN08 is code D)*
 - c. *Items that can be substituted for other items (SLN03 code S)*
 - d. *Items that can be selected as "free goods" (SLN03 code O)*
2. *If the item identified in this segment is a promotion item, provide that information in the 2/PID/370 segment.*

Data Element Summary

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

Must Use	SLN01	350	Assigned Identification	M AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
			<i>Use of a catalog number is RECOMMENDED to identify an item in this SLN segment. If the item identified in this SLN segment can be purchased separately, the catalog number should be the same as the number cited in the 2/LIN/010 segment. For those items for which no catalog number applies, cite a sequential number starting with the number 1.</i>	
Not Used	SLN02	350	Assigned Identification	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
Must Use	SLN03	662	Relationship Code	M ID 1/1
			Code indicating the relationship between entities	
			A Add	
				<i>Use to indicate an item that can be added to a system or kit for an additional amount, e.g., a modem. Identify the additive amount in SLN06.</i>
			I Included	
				<i>Use to indicate the item is provided with the system or kit at no additional cost.</i>
			O Information Only	
				Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)
				<i>Use to indicate that the item in this SLN segment is one of multiple items that can be chosen as options at no additional cost when the item identified in LIN02 of the same LIN loop is purchased. Cite the quantity that can be chosen in SLN04.</i>
			S Substituted	
				<i>Use to indicate an item that can be substituted for one of the items provided with the system or kit. If there is an incremental price increase or decrease in the price of the system or kit applicable to the substitute, identify the increase or decrease in SLN06.</i>
	SLN04	380	Quantity	X R 1/15
			Numeric value of quantity	
			<i>1. When SLN03 is code A or S, cite the quantity that can be added or substituted.</i>	
			<i>2. When SLN03 is code I, use to identify the quantity of the item that is</i>	

provided with the system or kit. For example, if a sound system includes 4 speakers, cite the number 4.

3. When SLN03 is code O, use to identify the quantity of items that can be chosen as options at no additional price. For example, if 8 items have code O cited in SLN03, and the number 5 is cited in this data element, that indicates 5 items from the identified 8 can be chosen.

	SLN05	C001	Composite Unit of Measure	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00112	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00113	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	

Not Used	C00114	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00115	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
	SLN06	212	Unit Price	X R 1/17
			Price per unit of product, service, commodity, etc.	
			<i>1. When SLN03 is code A, cite the full price of the item that can be added.</i>	
			<i>2. When SLN08 is code D, cite the credit amount if the item is deleted. When code D is used, the value cited is a reduction to the base price. Do not transmit a negative sign.</i>	
			<i>3. When SLN03 is code S, cite the incremental price increase or decrease, if applicable. For an incremental price decrease, transmit a negative sign.</i>	
	SLN07	639	Basis of Unit Price Code	O ID 2/2
			Code identifying the type of unit price for an item	
			PB Annual Price Per Unit	
			Price changed Once per Year	
			PM Monthly Price Per Unit	
	SLN08	662	Relationship Code	O ID 1/1
			Code indicating the relationship between entities	
			D Delete	
			<i>When SLN03 is code I use to indicate that the item can be deleted for a credit. Specify the credit amount in SLN06.</i>	
	SLN09	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			<i>1. Data elements 235 and 234 are used in 10 pairs in this segment. Use as many pairs as necessary to identify the item. When working with an identifying pair of data elements, any applicable code can be used with data element 235.</i>	
			<i>2. Use any code to describe the item. The following is a preferred code list.</i>	
			<i>AK Refined Product Code</i>	
			<i>BL Brand/Label</i>	
			<i>Use to indicate the product's brand or model name, e.g., Trinitron is the Sony brand name for a TV or computer monitor.</i>	
			<i>CH Country of Origin</i>	

Use to indicate the country of origin, as defined in the Buy American Act, when the item is other than a United States domestic end product. When used, cite the 2 position ISO 3166 country code in the following DE 234.

CG Commodity Grouping

Use to indicate a commodity code, e.g., the 2 position Federal Supply Group code.

CL Color

CN Commodity Name

Use to indicate a class or category of products or services, e.g., furniture, hand tools, monitors, accessories, painting, landscaping, etc.

DS Group ID

Use to indicate an option group in which the item cited in this SLN segment is included.

EN European Article Number (EAN)(2-5-5-1)

EQ Equipment Type

F7 End-Item Description.

Use to indicate the end item to which the item applies.

F8 Next Higher Used Assembly

Use to indicate the next higher assembly to which the item applies.

FS National Stock Number

The NSN shall be transmitted without dashes.

FT Federal Supply Classification

Use to indicate the 4 position Federal Supply Classification code or Product Service code.

GE Generic Name Description

Use to identify a manufacturer by a text name when a DUNS, or CAGE code is not available. Cite the name in the following data element.

HI HIBC (Health Care Industry Bar Code)

KM Shelf-Life Code

KN Shelf-Life Action Code

MF Manufacturer

When used, cite the DUNS number of the manufacturer in the following 234 data element.

MG Manufacturer's Part Number

When used, a second 235/234 pair must be used citing code GE, MF, or ZB.

MN Model Number
NI National Drug Code in 4-4-2 Format
N2 National Drug Code in 5-3-2 Format
N3 National Drug Code in 5-4-1 Format
N4 National Drug Code in 5-4-2 Format
ND National Drug Code (NDC).
PA Pattern Number
PD Part Number Description
Use to indicate the noun nomenclature of the item.

PI Purchaser's Item Code
Use to indicate a GSA Special Item Number

RR Replacement Product Number
Use to indicate an item number in this catalog that will replace the item identified in this LIN loop when stock is exhausted.

SR Substitute Product Number
Use to indicate an item number in this catalog that is a suggested substitute for the item identified in this LIN loop.

SV Service Rendered
Use to indicate (in clear text) a service.

SN Serial Number
SS Superseded Part Number
Use to indicate an item that is still available but has been superseded by the item identified in this LIN loop.

SZ Vendor Alphanumeric Size Code (NRMA)
Use to indicate the size of the item.

UA U.P.C./EAN Case Code (2-5-5)
UI U.P.C. Consumer Package Code (1-5-5)
UP U.P.C. Consumer Package Code (1-5-5-1)
VA Vendor's Style Number
VC Vendor's (Seller's) Catalog Number
Use to indicate the number of the item within the catalog.

VP Vendor's (Seller's) Part Number
Use to indicate a part number assigned by a contractor other than the manufacturer.

ZB Commercial and Government Entity (CAGE) Code
Use to indicate a manufacturer who can be identified by a CAGE code.

Refer to 004010 Data Element Dictionary for acceptable code values.

SLN10 234 Product/Service ID X AN 1/48

		Identifying number for a product or service		
SLN11	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
SLN12	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SLN13	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
SLN14	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SLN15	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
SLN16	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SLN17	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
SLN18	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SLN19	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
SLN20	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SLN21	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
SLN22	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SLN23	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
SLN24	234	Product/Service ID	X	AN 1/48

		Identifying number for a product or service	
SLN25	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
SLN26	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
SLN27	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
SLN28	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	

Segment: **PID** Product/Item Description

Position: 370

Loop: SLN 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.

Notes: *Use to provide additional information applicable to the item cited in the SLN segment. For example, this segment may be used to identify option groups that either must be selected or may not be selected if an item from another option group is selected.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349 Item Description Type	M ID 1/1
		Code indicating the format of a description	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	PID02	750 Product/Process Characteristic Code	O ID 2/3
		Code identifying the general class of a product or process characteristic	
		<i>Use any code but the listed code should be used in accordance with its note.</i>	
		OC Option	
		<i>Use to indicate an option group. When used, cite the option group identifier in PID04, citing code AS in PID03.</i>	
		ZZ Mutually Defined	
		<i>Use to indicate the item cited in the SLN segment is a promotion item.</i>	

Identify the type of promotion, e.g., clearance, special, holiday, etc., in PID05.

Refer to 004010 Data Element Dictionary for acceptable code values.

PID03 559 Agency Qualifier Code X ID 2/2

Code identifying the agency assigning the code values

Use any code.

Refer to 004010 Data Element Dictionary for acceptable code values.

PID04 751 Product Description Code X AN 1/12

A code from an industry code list which provides specific data about a product characteristic

When PID02 is code OC, cite an option group identifier. The option group identifier is provided in SLN10 - 28 (even numbers) when SLN09 - 27 (odd numbers) cites code DS.

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

Not Used PID07 822 Source Subqualifier O AN 1/15

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

PID08 1073 Yes/No Condition or Response Code O ID 1/1

Code indicating a Yes or No condition or response

When PID02 is code OC, PID03 is code AS, and PID04 cites an option group identifier, use this data element to identify if the option group must be selected or may not be selected. A "Y" indicates the option group MUST be selected. An "N" indicates the option group MAY NOT be selected.

N No
Y Yes

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: **DTM** Date/Time Reference

Position: 380

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: >1

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:

Notes: *When PID02 is code ZZ, use to identify the promotion period.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			015 Promotion Start	
			016 Promotion End	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			<i>When DTM01 is code 015 or 016, use to identify the promotion start/end time, if applicable, in HHMM format.</i>	
	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	
			LT Local Time	
			MT Mountain Time	
			PT Pacific Time	
Not Used	DTM05	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	

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: **MEA** Measurements
Position: 440
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
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.

Notes: *Use this segment to identify measurements applicable to the item identified in this SLN loop.*

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
MEA01	737	Measurement Reference ID Code	O ID 2/2
		Code identifying the broad category to which a measurement applies	
		<i>Use any code. The following is a list of preferred codes which should be used in accordance with their notes.</i>	
		<i>AM Capacity</i>	
		<i>PS Product Characteristic Specification</i>	
		<i>Use, in conjunction with MEA02 codes, to indicate the specifications applicable to the item identified in this SLN loop.</i>	
		<i>TO Total Dimensions</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
MEA02	738	Measurement Qualifier	O ID 1/3
		Code identifying a specific product or process characteristic to which a measurement applies	
		<i>Use any code other than code ZZZ.</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
MEA03	739	Measurement Value	X R 1/20
		The value of the measurement	
MEA04	C001	Composite Unit of Measure	X
		To identify a composite unit of measure (See Figures Appendix for examples of use)	

Must Use	C00101	355	Unit or Basis for Measurement Code 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.	M ID 2/2
Not Used	C00102	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00105	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00108	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00109	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00111	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00114	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	MEA05	740	Range Minimum The value specifying the minimum of the measurement range	X R 1/20
	MEA06	741	Range Maximum The value specifying the maximum of the measurement range	X R 1/20
Not Used	MEA07	935	Measurement Significance Code	O ID 2/2

Not Used	MEA08	936	Code used to benchmark, qualify or further define a measurement value Measurement Attribute Code	X	ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined		
Not Used	MEA09	752	Surface/Layer/Position Code	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
Not Used	MEA10	1373	Measurement Method or Device	O	ID 2/4
			The method or device used to record the measurement		

Segment: **MTX** Text
Position: 460
Loop: SLN Optional
Level: Detail
Usage: Optional (Not Recommended)
Max Use: >1

Purpose: To specify textual data
Syntax Notes: 1 If MTX01 is present, then MTX02 is required.
 2 If MTX03 is present, then MTX02 is required.

Semantic Notes:

Comments:

Notes: *Use to provide information related to the item identified in this SLN loop when the information cannot be provided by coded means elsewhere within the transaction set.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
MTX01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
		ADD Additional Information	
		EED Equipment Description	
		EFD Equipment Function Description	
		PDS Product Specification	
MTX02	1551	Message Text	X AN 1/4096
		To transmit large volumes of message text	
MTX03	1551	Message Text	O AN 1/4096
		To transmit large volumes of message text	
Not Used	MTX04	934 Printer Carriage Control Code	O ID 2/2
		A field to be used for the control of the line feed of the receiving printer	

Segment: **N9 Reference Identification**
Position: 490
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:

Notes: *Use this segment to identify references that apply to the item in this LIN loop. If the references apply to all of the items in the catalog, use the 1/N9/230 segment.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		2S Catalog	<i>Use to indicate an associated catalog item, i.e., a service or item that is applicable to another item or items. Cite the number from LIN01 of the associated catalog item in N902.</i>
		GC Government Contract Number	<i>Use to indicate the existing Government contract that contains the item in this LIN loop.</i>
		MS Manufacturer's Material Safety Data Sheet Number	
		PD Promotion/Deal Number	<i>Use to indicate a unique promotion or deal number assigned by the originator of the transaction set that is applicable to the item cited in this LIN loop.</i>
		QX Old Part Number	<i>Use to indicate the manufacturer's part number of a discontinued item for which the service identified in this LIN loop is still available. Cite the part number in N902 and identify the manufacturer in N907 citing either code DUN or W7 in N90701.</i>
		TN Transaction Reference Number	

1. Use to indicate the unique reference number of a related transaction set (e.g. an 841 transaction set carrying a technical specification or a drawing). Each transaction set has a unique number. In the case of an 841 transaction set, that number is carried in SPI02.

2. When used, cite the related transaction set's unique number in N902 and identify the X12 transaction set designator (e.g., 841) of the related transaction set in N907 citing code 7U in N90701.

W6

Federal Supply Schedule Number

Identifies an item with a two-digit group number, two-digit part number, and one-character section letter

Use to indicate the existing Federal Supply Schedule that contains the item in this LIN loop.

	N902	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	N903	369	Free-form Description	X AN 1/45
			Free-form descriptive text	
			<i>1. Use to provide text information related to the reference cited in N901.</i>	
			<i>2. Use of free-form text is discouraged if the information can be provided by some other means within the transaction set.</i>	
	N904	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
			<i>Use to identify the issue date applicable to the reference cited in N901.</i>	
Not Used	N905	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	N906	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	N907	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Must Use	C04001	128	Reference Identification Qualifier	M ID 2/3

Code qualifying the Reference Identification

7U	Related Transaction Reference Number <i>Use in conjunction with N901 code TN to indicate the X12 designation (e.g., 841) of the related transaction set.</i>
BCI	Basic Contract Line Item Number <i>When N901 is code GC, use to indicate the applicable line item/sub-line item number in the basic award instrument.</i>
DUN	D-U-N-S Number Dun & Bradstreet
IX	Item Number <i>When N901 is code W6, use to indicate the applicable Special Item Number on the Federal Supply Schedule.</i>
W7	Commercial and Government Entity (CAGE) Code Code that identifies a commercial contractor authorized to do business with the U.S. Government
YB	Revision Number

Must Use	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **DTM** Date/Time Reference

Position: 500

Loop: N9 Optional

Level: Detail

Usage: Optional

Max Use: >1

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:

Notes: *Use this segment to carry additional dates associated with the reference cited in N901.*

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		007 Effective	
		015 Promotion Start	
		<i>Use in conjunction with N901 code PD and BCT10 code 42, to indicate the start date of a promotion.</i>	
		016 Promotion End	
		<i>Use in conjunction with N901 code PD and BCT10 code 42, to indicate the end date of a promotion.</i>	
		171 Revision	
DTM02	373	Date	X DT 8/8
		Date expressed as CCYYMMDD	
DTM03	337	Time	X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
		<i>When DTM01 is code 015 or 016, use to identify the promotion start/end time, if applicable, in HHMM format.</i>	
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
LT	Local Time
MT	Mountain Time
PT	Pacific Time

Not Used **DTM05** **1250** **Date Time Period Format Qualifier** **X** **ID 2/3**
Code indicating the date format, time format, or date and time format

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: **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.

Notes: *"CTT01" carries the total number of iterations of the "LIN" segments in the transaction set being transmitted.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	CTT01	354 Number of Line Items	M N0 1/6
		Total number of line items in the transaction set	
Not Used	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	
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	
Not Used	CTT07	352 Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	

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

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
			<i>"SE01" carries the total number of segments included in the transaction set being transmitted. This number includes the "ST" (header) and "SE" (trailer) segments.</i>	
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	
			<i>This is the same number as the one carried in "ST02".</i>	