



Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003050 Transaction Set 832
Price/Sales Catalog

Implementation Convention



U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of
Standards and Technology

Federal Implementation Guideline for Electronic Data Interchange

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Electronic Commerce Acquisition Program Management Office
Standard Management Committee - Secretariat
National Institute of Standards and Technology
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Editor: Dr. Jean-Philippe Favreau

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U.S. DEPARTMENT OF COMMERCE
William M. Daley, Secretary

Technology Administration
Mary L. Good, Under Secretary for Technology

National Institute of Standards and Technology
Arati Prabhakar, Director

Reports on Information Technology

The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

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FOREWORD

In a memorandum of October 26, 1993, the President sought to stimulate the Federal Government's deployment of Electronic Commerce in order to simplify and streamline the acquisition process. In this regard, the President set forth the following objectives:

- o Exchange acquisition information electronically between the private sector and the Federal Government to the maximum extent practicable.
- o Provide businesses, including small, small disadvantaged, and woman-owned businesses, with greater access to Federal acquisition opportunities.
- o Ensure that potential suppliers are provided simplified access to the Federal Government's EC system.
- o Employ nationally and internationally recognized data formats that serve to broaden and ease the interchange of data.
- o Use agency and industry systems and networks to enable the government and potential suppliers to exchange information and access Federal acquisition data.

As part of the Federal Government wide effort to implement EC, NIST has been given the responsibility of coordinating the development and promulgation of Implementation Conventions for the functional areas of EC which will be deployed across the Agencies.

Various Agencies have been actively pursuing Electronic Data Interchange (EDI) for several years - the DoD, GSA, Customs and HHS, for instance, have been particularly active in adopting ANSI X12 standards, and looking ahead to EDIFACT. There became a danger that with fragmentation of usage across the Federal Government a significant burden would be placed on many small businesses to support an unnecessary profusion of formats and conventions.

In the Presidential Memorandum, President Clinton required Federal agencies to implement the use of electronic commerce in Federal purchases as quickly as possible. As the initial step, the President's Management Council (PMC) Electronic Commerce Task Force (ECTF), chaired by the Administrator, Office of Federal Procurement Policy (OFPP), chartered the Federal Electronic Commerce Acquisition Team (ECAT) to complete the first milestone of the President's memorandum. The PMC assigned the Electronic Commerce Acquisition Team, composed of representatives from various Federal departments and agencies, the task of defining the architecture for the government electronic commerce acquisition system and identifying the executive departments or agencies responsible for developing, implementing, operating, and maintaining the Federal electronic system.

Another key step in the implementation of EDI in the Federal Government relies on the definition of Implementation Conventions (ICs). EDI syntax standards, both ASC X12 and UN/EDIFACT, accommodate a full range of business activities for all industries. A standard is the result of a consensus among a large number of users, each with its own set of needs. It is a superset intended to meet the diverse requirements of all users. Standards commonly contain more data elements and structure options than any one user or industry needs. Far too many opportunities exist for inefficient, or ambiguous transactions. Therefore, actual EDI business processes require implementation conventions (ICs) to fully define transactions. ICs do that by tailoring the use of the standards' segments, data elements, and code values and providing a subset menu of those distinct parts. This Special Publication defines a Federal IC based on ASC X12 Version 3050 and is the result of coordinated development and adoption within the Federal Government.

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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	010	ST	Transaction Set Header	M	1		
	020	BCT	Beginning Segment for Price/Sales Catalog	M	1		
N/U	030	NTE	Note/Special Instruction	F	100		
N/U	040	CTP	Pricing Information	O	100		
	050	REF	Reference Numbers	O	12		
N/U	060	PER	Administrative Communications Contact	O	3		
	070	DTM	Date/Time Reference	O	10		
	080	CTB	Restrictions/ Conditions	O	25		
	090	CUR	Currency	O	5		
	110	1TD	Terms of Sale/Deferred Terms of Sale	O	2		
	120	LDT	Lead Time	O	>1		
	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
	140	FOB	F.O.B. Related Instructions	O	1		
N/U	145	G93	Price Bracket Identification	O	50		
LOOP ID - N1							200
	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 Numbers	O	12		
	200	PER	Administrative Communications Contact	O	3		
N/U	201	DTM	Date/Time Reference	O	10		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			70 (G)	
	010	LIN	Item Identification	O	1		
	015	G53	Maintenance Type	O	1		n1
	020	SLN	Subline Item Detail	O	100		
	030	DTM	Date/Time Reference	O	10		
	040	REF	Reference Numbers	O	12		
N/U	050	PER	Administrative Communications Contact	O	3		
	060	CTB	Restrictions/ Conditions	O	25		
	070	PID	Product/Item Description	O	200		
	080	MEA	Measurements	O	40		
N/U	090	PKG	Marking, Packaging, Loading	O	25		
	100	PO4	Item Physical Details	O	1		
	110	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	10		
N/U	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	25		
	160	FOB	F.O.B. Related Instructions	O	1		
N/U	165	TC2	Commodity	O	2		
	166	TXI	Tax Information	O	1		
N/U	167	G39	Item Characteristics - Vendor's Selling Unit	O	1		
N/U	168	G55	Item Characteristics - Consumer Unit	O	1		
N/U	169	G54	Module Description	O	1		
			LOOP ID - CTP			100	
	170	CTP	Pricing Information	O	1		
N/U	175	G40	Bracket Price	O	99		
	180	DTM	Date/Time Reference	O	10		
N/U	182	G36	Price List Reference	O	1		
N/U	190	LDT	Lead Time	O	1		
N/U	200	CUR	Currency	O	5		
N/U	210	PO4	Item Physical Details	O	1		
N/U	220	CTB	Restrictions/ Conditions	O	5		
N/U	225	REF	Reference Numbers	O	>1		
N/U	227	G43	Promotion/Price List Area	O	9999		
	228	SAC	Service, Promotion, Allowance, or Charge Information	O	5		
N/U	229	G26	Pricing Conditions	O	99		
			LOOP ID - N1			200	
	230	N1	Name	O	1		
	240	N2	Additional Name Information	O	2		
	250	N3	Address Information	O	2		
	260	N4	Geographic Location	O	1		
N/U	270	REF	Reference Numbers	O	12		
	280	PER	Administrative Communications Contact	O	3		
N/U	281	DTM	Date/Time Reference	O	10		
			LOOP ID - PKL			10	

832 - Price/Sales Catalog

N/U	285	PKL	Multi-Pack Configuration	O	1	
N/U	290	CTP	Pricing Information	O	1	
N/U	295	PKG	Marking, Packaging, Loading	O	2	

Summary:

<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.Use</u>	<u>Loop</u>	<u>Notes and</u>
<u>No.</u>	<u>ID</u>		<u>Des.</u>		<u>Repeat</u>	<u>Comments</u>
010	CTT	Transaction Totals	M	1		n2
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) 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 X12.13 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 to specify catalog purpose and number information.

Syntax Notes:

Semantic Notes:

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
				M	ID	2/2
Must Use	BCT01	683	Catalog Purpose Code Code indicating purpose of catalog. <i>Use to identify the type of catalog.</i>			
			CP Customized Catalog <i>Use to indicate a catalog (with or without prices) of goods and/or services available only to government entities. This code is also used to indicate a price list.</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>			
			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 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> <i>3. Use of this data element is REQUIRED.</i>	O	AN	1/15
	BCT03	685	Catalog Version Number Identifying version number of catalog or superseded catalog. <i>1. A unique number assigned by the originator of the transaction set that identifies the version, if any, to the catalog being cited in BCT02. Use when a new version of a catalog is being transmitted.</i> <i>2. When used, cite the version number that is being superseded in BCT07, if applicable.</i>	O	AN	1/15
	BCT04	686	Catalog Revision Number 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 or when BCT03 is used, the version cited in BCT03.</i> <i>2. When used, cite the revision that is being superseded in BCT08, if applicable.</i>	O	AN	1/6

BCT06	684	3. When this data element is used, BCT10 shall cited code 02, 03, or 04.			
		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>			
BCT07	685	Catalog Version Number	O	AN	1/15
		Identifying version number of catalog or superseded catalog.			
		<i>Use to identify a catalog version number that is being superseded.</i>			
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>			
BCT10	353	Transaction Set Purpose Code	O	ID	2/2
		Code identifying purpose of transaction set.			
		00			
		Original			
		<i>Use to indicate an original catalog.</i>			
		02			
		Add			
		1. Use only when BCT04 is used.,			
		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.			
		03			
		Delete			
		1. Use only when BCT04 is used.			
		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.			
		04			
		Change			
		1. Use only when BCT04 is used.			
		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.			
		05			
		Replace			
		<i>Use to indicate a replacement for a superseded catalog. Use when BCT06, is used.</i>			
		07			
		Duplicate			
		<i>Use when transmitting a duplicate of a previously transmitted transaction set.</i>			
		42			
		Temporary Record			
		<i>Use to indicate a promotion or special sale. When used, there must be 1 use of the 1/REF/050 segment</i>			

with REF01 citing code PD

Segment: **REF** Reference Numbers
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:
Notes: 1. Use this 1/REF/050 segment to identify reference numbers that apply to all of the items in the catalog. If the reference numbers vary by item, use the 2/REF/040 segment.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		M ID 2/2
Must Use REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	
		GC Government Contract Number <i>Use when the price list being transmitted applies to an existing Government contract.</i>	
		ME Message Address or ID <i>Use to indicate the World Wide Web URL where the originator's catalog may be found. When used, cite the address in REF03.</i>	
		PD Promotion/Deal Number <i>Use to indicate a unique promotion or deal number.</i>	
		TN Transaction Reference Number <i>Use to indicate the unique reference number of a transaction set that is transmitting images of the items or data relating to the items identified in this transaction set.</i>	
		W6 Federal Supply Schedule Number <i>Use when the price list being transmitted applies to an existing Federal Supply Schedule (FSS).</i>	
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content. <i>When REF01 is code ME, use to identify the World Wide Web URL</i>	X AN 1/80

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 DTM06 is required.
- 2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

1. Use this 1/DTM/070 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

Ref. Des.	Data Element	Name	Attributes
Must Use DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time.	
		007 Effective	
		Use to indicate the effective date of a catalog.	
		015 Promotion Start	
		Use to indicate the start date of a promotion.	
		016 Promotion End	
		Use to indicate the stop date of a promotion.	
		036 Expiration	
		Use to indicate the expiration date of a catalog.	
DTM02	373	Date	X DT 6/6
		Date (YYMMDD).	
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)	
		Use to identify the time that a promotion starts or ends.	
DTM04	623	Time Code	O ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow.	
		CT Central Time	
		ET Eastern Time	
		GM Greenwich Mean Time	
		LT Local Time	
		MT Mountain Time	
		PT Pacific Time	
DTM05	624	Century	O NO 2/2
		The first two characters in the designation of the year (CCYY).	

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 1/CTB/080 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.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		M ID 2/2
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 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 A free-form description to clarify the related data elements and their content. <i>Use for a free-form text description of a restriction or condition applicable to the items in the catalog.</i>	X AN 1/80
CTB03	673	Quantity Qualifier Code specifying the type of quantity.	X ID 2/2
		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>	

2. *If no minimum quantity is stated (code 57), the minimum quantity will default to the incremental quantity (when code 69 is cited).*

		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	1/2
		Code to qualify amount				
		KQ	Incremental Order Amount			
			<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>			
		MA	Maximum Amount			
		MO	Minimum Order Value			
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.	Des.	Data Element	Name	Attributes
Must Use	CUR01	98	Entity Identifier Code	M ID 2/2
			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>	

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 1/ITD/110 segment to identify sales terms that apply to all of the items in the catalog.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ITD03	338	Terms Discount Percent	O R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date. Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).	
ITD05	351	Terms Discount Days Due	X N0 1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned.	
ITD14	107	Payment Method Code	O ID 1/1
		Code identifying type of payment procedures. Use to identify that the originator accepts the government credit card for payment.	
		N	Billing Account
		Use to indicate the government credit card.	

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 1/LDT/120 segment when a date is expressed as a set time period from the occurrence of some event and applies to all of the items in the catalog. If the date varies by item, use the 2/LDT/140 segment.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LDT01	345	Lead Time Code Code indicating the time range.	M ID 2/2
			AE From date of PO receipt to shipment.	
			AF From date of PO receipt to 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 Numeric value of quantity.	M R 1/15
Must Use	LDT03	344	Unit of Time Period or Interval Code indicating the time period or interval	M ID 2/2
			DA Calendar Days	
			DW Work Days	
			MO Month	
			WK Weeks	

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

Position: 130

Loop:

Level: Heading

Usage: Optional

Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.

- 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.

- 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 a "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 a total order amount or quantity that will result in a discount.

2. Use also to identify tax rates that are applicable to all of the items in the catalog. If the tax rates differ by item or are not applicable to all the items, use the 2/TXI/166 segment to provide the information.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	SAC01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified.	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
		Use to indicate there is no charge for the specified service.	
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		C260 Discount - Incentive	
		Use to indicate that the contractor offers a discount	

					<i>when payment is made using the government credit card.</i>
		C300	Discount - Special		
			<i>Use to indicate a total order amount that will result in a percentage discount. Specify the amount in SAC05</i>		
		F910	Quantity Discount		
			<i>Use to indicate a total order quantity that will result in a percentage discount. Specify the quantity in SAC10 and the unit of measure in SAC09.</i>		
		H630	Tax - City Sales Tax (Only)		
		H670	Tax - Federal Excise Tax, FET, on Tires		
		H700	Tax - Local Tax		
		H730	Tax - Local Sales Tax		
		H750	Tax - Sales Tax (State and Local)		
		H770	Tax - State Tax		
		H780	Tax - Super Fund Excise Tax		
SAC05	610	Amount		O	N2 1/15
		Monetary amount.			
		<i>Use to identify the order amount that will result in a percentage discount.</i>			
SAC06	378	Allowance/ Charge Percent Qualifier		X	ID 1/1
		Code indicating on what basis allowance or charge percent is calculated.			
		3 Discount/Gross			
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>Use to identify a tax rate applicable to all of the items in the catalog.</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>Use any code.</i>			
		Refer to 003050 Data Element Dictionary for acceptable code values.			
SAC10	380	Quantity		X	R 1/15
		Numeric value of quantity.			
		<i>When SAC02 is code F910, use to identify the total order quantity that results in a percentage discount.</i>			
SAC12	331	Allowance or Charge Method of Handling Code		O	ID 2/2
		Code indicating method of handling for an allowance or charge.			
		CA Calculate and Add to Invoice			
		<i>Use to indicate the taxes are additive to the unit prices.</i>			

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 1/FOB/140 segment if the Shipment Method of Payment and the FOB point applies to all of the items in the catalog. If these vary item, use the 2/FOB/160 segment.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	FOB01	146	Shipment Method of Payment
			Code identifying payment terms for transportation charges.
		BP	Paid by Buyer
			Use to indicate the buyer is to pay the transportation charges by issuance of a Government Bill of Lading (GBL).
		PE	Prepaid and Summary Bill
			Use when transportation charges are to be prepaid by the seller, are not included in the unit price, and are to be invoiced periodically.
		PP	Prepaid (by Seller)
			Use to indicate that transportation charges are not included in the unit price but are prepaid and are to be added as a separate item on this instrument's invoice.
		PS	Paid by Seller
			Use to indicate transportation charges are included in the unit price.
FOB02	309	Location Qualifier	X ID 1/2
			Code identifying type of location.
		DE	Destination (Shipping)
			Use when FOB01 is code PE, PP, or PS.
		OR	Origin (Shipping Point)
			Use when FOB01 is code BP.

Segment: **N1** Name
Position: 150
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Syntax Notes:
 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.
Notes:
 1. Use this 1/N1/150 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. 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. One N1 segment is *REQUIRED* citing code SE in N101.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use N101	98	Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
	40	Receiver	
		Use to indicate the entity to receive the catalog.	
	DL	Dealer	
		Use includes resellers.	
	DS	Distributor	
		Use to indicate the distributor of the item(s) contained in the catalog.	
	DZ	Delivery Zone	
		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.	
	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 or when the vendor has not registered.

SE

Selling Party

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

SF

Ship From

Use to indicate a location from which all items will be shipped.

N102 **93** **Name** **X** **AN** **1/35**

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).

While the federal EDI program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases to new procurement actions.

1

D-U-N-S Number, Dun & Bradstreet

Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.

9

D-U-N-S+4, D-U-N-S Number with Four Character Suffix

Use of the DUNS number or DUNS +4 is preferred over other codes to identify an entity.

10

Department of Defense Activity Address Code (DODAAC)

Use to indicate either a Department of Defense or Civilian Agency Activity Address Code.

21

Health Industry I.D. Number (HIN)

33

Commercial and Government Entity (CAGE)

ZN

Zone

When N101 is Code DZ, use to indicate a delivery zone.

N104 **67** **Identification Code** **X** **AN** **2/20**

Code identifying a party or other code.

Segment: **N2** Additional Name Information
Position: 160
Loop: N1
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N201	93	Name Free-form name.	M AN 1/35
	N202	93	Name Free-form name.	O AN 1/35

Segment: **N3** Address Information
Position: 170
Loop: N1
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		Attributes
	Des.	Element	Name	
Must Use	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

Segment: **N4** Geographic Location
Position: 180
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the USA or Canada.
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	Name	Attributes
Des.	Element		
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 3/11
		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.	

Segment: **REF** Reference Numbers
Position: 190
Loop: N1
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:
Notes: *Use of this 1/REF/190 segment is REQUIRED in all transmissions when N101 is code SE to identify the personal identification number of the party originating the Price/Sales Catalog.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use REF01	128	Reference Number Qualifier Code qualifying the Reference Number. <i>Use any applicable code.</i>	M ID 2/2
		EL Electronic device pin number <i>Use to indicate the personal identification number assigned to the vendor at the time of registration. Use of the code is REQUIRED.</i>	
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30

Segment: PER Administrative Communications Contact**Position:** 200**Loop:** N1**Level:** Heading**Usage:** Optional**Max Use:** 3**Purpose:** To identify a person or office to whom administrative communications should be directed

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

Semantic Notes:**Comments:**

Notes: This segment will be used when the point of contact is related to a named party being carried in the 1/N1/150 loop.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named.	M ID 2/2
		1A Review/Repricing Contact <i>Use to indicate the party to be contacted on Federal Supply Schedule (FSS) contracts to obtain a better price when the maximum order is reached.</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>	
		OD Order Department	
		TR Technical Marketing Representative <i>Use to indicate a technical information contact.</i>	
PER02	93	Name Free-form name. <i>Cite last name first, followed by first name. If the whole name is longer than 35 characters, truncate or use initials for first name. If necessary, use PER09 to provide the party's title</i>	O AN 1/35
PER03	365	Communication Number Qualifier Code identifying the type of communication number.	X ID 2/2
		EM Electronic Mail	
		FX Facsimile	
		IT International Telephone <i>Include the country code.</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 Complete communications number including country or area code when applicable.	X AN 1/80
PER05	365	Communication Number Qualifier Code identifying the type of communication number.	X ID 2/2

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.

EM Electronic Mail

EX Telephone Extension

Use only if PER03 is used citing code TE.

FX Facsimile

IT International Telephone

Include the country code.

TE Telephone

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

PER06 364 Communication Number X AN 1/80

Complete communications number including country or area code when applicable.

PER07 365 Communication Number Qualifier X ID 2/2

Code identifying the type of communication number.

Use to identify a third communications number for the party cited in PER02.

EM Electronic Mail

EX Telephone Extension

Use only if PER05 is used citing code TE.

FX Facsimile

IT International Telephone

Include the country code.

TE Telephone

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

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.

Use, if necessary, to provide the title of the party cited in PER02.

Segment:	LIN Item Identification
Position:	010
Loop:	LIN
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 ID's. 2 LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.
Notes:	<ol style="list-style-type: none"> 1. Use this segment to identify the items in the catalog. 2. 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 SLN segment. Specify the price of the system or kit in the 2/CTP/170 loop. If the items that comprise the system or kit can be purchased separately, they should be identified individually in a separate LIN loop.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
LIN01	350	Assigned Identification	O AN 1/11
		Alphanumeric characters assigned for differentiation within a transaction set.	
		1. May be used by the originator to specify a catalog number or equivalent identifier to differentiate among items in the catalog, e.g., 1, 001, 1001, etc.	
		2. An alpha character may be added to the end of a catalog number to identify that a specific item is a service (maintenance), an upgrade, etc., applicable to another catalog item, e.g., maintenance for a computer. The numeric portion of the catalog number should be the same as the catalog number of the hardware item. The alpha character at the end will differentiate the hardware item from the service or upgrade, e.g., 1A, 001A, 1001A, etc.	
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 transaction set. 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

CH Country of Origin

Use to indicate the country where the item is manufactured, as specified in the Buy American Act, if other than the United States.

CG Commodity Grouping

Use to indicate a commodity code.

CL Color

CN Commodity Name

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)

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

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 MF, ZB, or ZZ.

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).

Refer to 003050 Data Element Dictionary for acceptable code values.

Must Use	LIN03	234	Product/Service ID	M	AN	1/40
			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).			
	LIN05	234	Product/Service ID	X	AN	1/40
			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).			

LIN07	234	Product/Service ID	X	AN	1/40	
		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).				
LIN09	234	Product/Service ID	X	AN	1/40	
		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).				
LIN11	234	Product/Service ID	X	AN	1/40	
		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).				
LIN13	234	Product/Service ID	X	AN	1/40	
		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).				
LIN15	234	Product/Service ID	X	AN	1/40	
		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).				
LIN17	234	Product/Service ID	X	AN	1/40	
		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).				
LIN19	234	Product/Service ID	X	AN	1/40	
		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).				
LIN21	234	Product/Service ID	X	AN	1/40	
		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).				
LIN23	234	Product/Service ID	X	AN	1/40	
		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).				
LIN25	234	Product/Service ID	X	AN	1/40	
		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).				
LIN27	234	Product/Service ID	X	AN	1/40	
		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).			
LIN29	234	Product/Service ID	X	AN	1/40
		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).			
LIN31	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service.			

Segment: **G53** Maintenance Type
Position: 015
Loop: LIN
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						
	Ref.	Data	Name		Attributes	
	<u>Des.</u>	<u>Element</u>			<u>M</u> <u>ID</u> <u>3/3</u>	
Must Use	G5301	875	Maintenance Type Code			
			Code identifying the specific type of item maintenance.			
			001	Change		
			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 or SLN01.			
			002	Delete		
			Use only when an item identified in the same LIN loop is being deleted from the catalog.			
		021	Addition			
Use only when the item identified in the same LIN loop is being added to the catalog.						

Segment:	SLN Subline Item Detail
Position:	020
Loop:	LIN
Level:	Detail
Usage:	Optional
Max Use:	100
Purpose:	To specify product subline detail item data
Syntax Notes:	<ol style="list-style-type: none"> 1 If SLN07 is present, then SLN06 is required. 2 If SLN08 is present, then SLN06 is required. 3 If either SLN09 or SLN10 is present, then the other is required. 4 If either SLN11 or SLN12 is present, then the other is required. 5 If either SLN13 or SLN14 is present, then the other is required. 6 If either SLN15 or SLN16 is present, then the other is required. 7 If either SLN17 or SLN18 is present, then the other is required. 8 If either SLN19 or SLN20 is present, then the other is required. 9 If either SLN21 or SLN22 is present, then the other is required. 10 If either SLN23 or SLN24 is present, then the other is required. 11 If either SLN25 or SLN26 is present, then the other is required. 12 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 1 See the Data Dictionary for a complete list of ID's. 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 (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.
Notes:	<ol style="list-style-type: none"> 1. Use this 2/SLN/020 segment to identify items that comprise a system or kit identified in the same LIN loop. 2. Use also to identify an item that is provided free when the item identified in LIN02 in the same LIN loop is purchased. When this segment is used for this purpose, cite code O in SLN03. 3. This segment can also be used to identify substitute items for a system. For example, if a computer system came with a 540 MB hard drive, a 720 MB hard drive can be identified in this segment as an upgrade to the system and the incremental price for that upgrade can be cited in SLN06. If the substitute item does not increase the price of the system, do not use SLN06. When used for this purpose, cite code S in SLN03.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use SLN01	350	Assigned Identification	M AN 1/11
		Alphanumeric characters assigned for differentiation within a transaction set.	
		To comply with the X12 syntax, cite a sequential number starting with 1.	
Must Use SLN03	662	Relationship Code	M ID 1/1
		Code indicating the relationship between entities	
		I Included	

O *Use to indicate the item is included in a system or kit.*
Information Only
Use to indicate the item is provided free when the item cited in LIN02 of the same LIN loop is purchased.
S **Substituted**

Use to indicate an item can be substituted for one of the components of a system. If there is an increase in the price of the system due to the substitute, identify the incremental price increase in SLN06.

Must Use SLN04 380 Quantity M R 1/15

Numeric value of quantity.

1. When SLN03 is code I, use to identify the quantity of the item that is included in the system or kit. For example, if a sound system includes 4 speakers, cite the number 4.

2. When SLN03 is code O, use to identify the quantity of the item that is provided free.

Must Use SLN05 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

Any code may be used.

Refer to 003050 Data Element Dictionary for acceptable code values.

SLN06 212 Unit Price X R 1/17

Price per unit of product, service, commodity, etc.

Use only when SLN03 is code S and there is an incremental price increase to a system if the substitute item is selected. Identify the incremental price increase only. Do not cite the full individual price of the item.

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).

Any code may be used but the following are preferred:

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

FS National Stock Number

The NSN shall be transmitted without dashes.

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 data element

MG Manufacturer's Part Number

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

MN Model Number

PD Part Number Description

Use to indicate a clear text description of an item that cannot be identified by a number.

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

Refer to 003050 Data Element Dictionary for acceptable code values.

SLN10 234 Product/Service ID X AN 1/40

		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 003050 Data Element Dictionary for acceptable code values.			
SLN12	234	Product/Service ID	X	AN	1/40
		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 003050 Data Element Dictionary for acceptable code values.			
SLN14	234	Product/Service ID	X	AN	1/40
		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 003050 Data Element Dictionary for acceptable code values.			
SLN16	234	Product/Service ID	X	AN	1/40
		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 003050 Data Element Dictionary for acceptable code values.			
SLN18	234	Product/Service ID	X	AN	1/40
		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 003050 Data Element Dictionary for acceptable code values.			
SLN20	234	Product/Service ID	X	AN	1/40
		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 003050 Data Element Dictionary for acceptable code values.			
SLN22	234	Product/Service ID	X	AN	1/40
		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 003050 Data Element Dictionary for acceptable code values.			
SLN24	234	Product/Service ID	X	AN	1/40
		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 003050 Data Element Dictionary for acceptable code values.			
SLN26	234	Product/Service ID	X	AN	1/40
		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 003050 Data Element Dictionary for acceptable code values.

SLN28

234

Product/Service ID

X AN 1/40

Identifying number for a product or service.

Segment: **DTM** Date/Time Reference

Position: 030

Loop: LIN

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Notes: Use this 2/DTM/030 segment only when the dates apply to the cited item in the catalog. If the dates apply to the all of the items, use the 1/DTM/070 segment. If the dates apply to pricing information, use the 2/DTM/180 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	
			When the G5301 is used, indicate the date the action is effective.	
	DTM02	373	Date	X DT 6/6
			Date (YYMMDD).	
			The actual effective, expiration start, or stop date of the item qualified.	
	DTM05	624	Century	O N0 2/2
			The first two characters in the designation of the year (CCYY).	

Segment: **REF** Reference Numbers
Position: 040
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:
Notes: *Use this segment to identify a number referencing applicable to the cited item.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		M ID 2/2
Must Use REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	
		GC Government Contract Number <i>Use when the item is contained on an existing Government contract.</i>	
		W6 Federal Supply Schedule Number <i>Use when the item is contained on an existing Federal Supply Schedule (FSS).</i>	
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30

Segment: CTB Restrictions/ Conditions**Position:** 060**Loop:** LIN**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:** Use this 2/CTB/060 segment when the restriction or condition applies to the item cited in LIN01.**Data Element Summary**

Ref.	Data	Name	Attributes
Des.	Element		M ID 2/2
Must Use CTB01	688	Restrictions/Conditions Qualifier Code identifying the type of restriction/condition.	
		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>	
		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. <i>Use for a free-form text description of a restriction or condition applying to either a quantity or a dollar amount of the item.</i>	X AN 1/80
CTB03	673	Quantity Qualifier Code specifying the type of quantity.	X ID 2/2
		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 Numeric value of quantity.	X R 1/15
CTB05	522	Amount Qualifier Code Code to qualify amount	X ID 1/2
		KQ Incremental Order Amount	

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.

MA

Maximum Amount

MO

Minimum Order Value

Use code "MO" to represent the minimum order amount.

CTB06

610

Amount

X

N2

1/15

Monetary amount.

Segment:	PID Product/Item Description
Position:	070
Loop:	LIN
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID03 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 Use PID03 to indicate the organization that publishes the code list being referred to. 2 PID04 should be used for industry-specific product description codes. 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item. A "N" indicates it does not apply. Any other value is indeterminate.
Comments:	<ol style="list-style-type: none"> 1 If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "X", then both PID04 and PID05 are used. 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment. 3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	<ol style="list-style-type: none"> 1. Use to describe a product or service in a coded format or in free form text. 2. Use also to provide information related to the product or service, e.g., warranty conditions, shipping information, free products when the item identified in the same LIN loop is purchased, etc. To identify free products use the SLN segment citing code O in SLN03. If there are choices of free products, e.g., 5 software packages can be selected from 10 available, provide that information in this PID segment and cite the 10 software packages to choose from in the SLN segment.

Data Element Summary

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

MAC Material Classification

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

OC Options

Use to indicate options that are available when the item identified in the same LIN loop is purchased, e.g., free software.

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 003050 Data Element Dictionary for acceptable code values.

PID03	559	Agency Qualifier Code	X	ID	2/2
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Code identifying the agency assigning the code values.

1. Use any code.

2. When PID02 is code MAC, cite code AS

Refer to 003050 Data Element Dictionary for acceptable code values.

PID04	751	Product Description Code	X	AN	1/12
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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
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A free-form description to clarify the related data elements and their content.

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

Segment: **MEA** Measurements

Position: 080

Loop: LIN

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:

1. Use this segment to identify measurements applicable to the item identified in the LIN segment.
2. Use also to identify the length of a warranty period.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
MEA01	737	Measurement Reference ID Code	O ID 2/2
		Code identifying the broad category to which a measurement applies	
		Use any code.	
		CT Counts	
		Use to indicate variations in quantity, when expressed as a discrete quantity, that can be expected when orders are delivered. Specify the quantity under and/or over in MEA05/06.	
		DE Defects	
		Use to indicate a warranty period.	
		Refer to 003050 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	
		Use any code.	
		PO Percent of Order (-,+)	
		Use to indicate variations in quantity, when expressed as a percent of the quantity ordered, that can be expected when orders are delivered. Specify the percent under and/or over in MEA05/06.	
		TT Time	
		Use to indicate the length of a warranty period. Specify the number or days, weeks, months, years in MEA03 and the time period in MEA04-C00101.	
		Refer to 003050 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			
			1. Use any code.			
			2. An application program conversion table may be required to convert agency codes to ASC X12 codes.			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	C00102	1018	Exponent	O	R	1/15
			Power to which a unit is raised.			
	C00103	649	Multiplier	O	R	1/10
			Value to be used as a multiplier to obtain a new value			
	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			
			1. Use any code.			
			2. An application program conversion table may be required to convert agency codes to ASC X12 codes.			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	C00105	1018	Exponent	O	R	1/15
			Power to which a unit is raised.			
	C00106	649	Multiplier	O	R	1/10
			Value to be used as a multiplier to obtain a new value			
	MEA05	740	Range Minimum	X	R	1/20
			The value specifying the minimum of the measurement range.			
			1. Use to indicate a minimum measurement, e.g., a minimum tolerance.			
			2. When MEA01 is code CT, or MEA02 is code PO, use to specify the variation in quantity under.			
	MEA06	741	Range Maximum	X	R	1/20
			The value specifying the maximum of the measurement range.			
			1. Use to indicate a maximum measurement, e.g., a maximum tolerance.			
			2. When MEA01 is code CT, or MEA02 is code PO, use to specify the variation in quantity over.			

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

Syntax Notes:

- 1 If either PO402 or PO403 is present, then the other is required.
- 2 If PO405 is present, then PO406 is required.
- 3 If either PO406 or PO407 is present, then the other is required.
- 4 If either PO408 or PO409 is present, then the other is required.
- 5 If PO410 is present, then PO413 is required.
- 6 If PO411 is present, then PO413 is required.
- 7 If PO412 is present, then PO413 is required.
- 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.

Semantic Notes:

Comments:

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

Notes:

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 or SLN01. To specify the unit pack quantity, use PO401, PO403, and PO404 (code UNT). If there are 50 pairs in a unit container, PO401 would cite 50, PO403 would cite code PR and PO404 would cite code UNT. 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

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
PO401	356	Pack	O N0 1/6
		Number of inner pack units per outer pack unit.	
		1. Use to identify the unit pack quantity.	
PO402	357	Size	X R 1/8
		Size of supplier units in pack.	
		Use only to identify the size of the individual items within a unit container.	
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	
		1. Use any code.	
		2. An application program conversion table may be required to convert agency codes to ASC X12 codes.	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
PO404	103	Packaging Code	O AN 3/5
		Code identifying the type of packaging. Part 1. Packaging form. Part 2.	

Packaging Material.
Use any code.

UNT Unit

Use to indicate a unit container.

Refer to 003050 Data Element Dictionary for acceptable code values.

PO405 **187** **Weight Qualifier** **O** **ID** **1/2**

Code defining the type of weight.

Use any code.

Refer to 003050 Data Element Dictionary for acceptable code values.

PO406 **384** **Gross Weight per Pack** **X** **R** **1/9**

Numeric value of gross weight per pack.

Use to specify the weight of a container. The weight shall be provided to 1 decimal point.

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

1. Use any code.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 003050 Data Element Dictionary for acceptable code values.

PO408 **385** **Gross Volume per Pack** **X** **R** **1/9**

Numeric value of gross volume per pack.

Use to specify the cube of a container. The cube shall be provided to 3 decimal places.

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

1. Use any code.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 003050 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.

Use to specify the depth of the container.

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

1. Use any code.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 003050 Data Element Dictionary for acceptable code values.

PO414 **810** **Inner Pack** **O** **N0** **1/6**

Number of units in each selling pack

Use to specify the quantity of unit containers in an intermediate container.

Segment: **TD4** Carrier Details (Special Handling or Hazardous Materials or Both)
Position: 110
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 10
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:**Comments:**

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

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
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).	
		<i>Use any code.</i>	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
TD403	209	Hazardous Material Class Code	X AN 2/4
		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>	

Segment: **LDT** Lead Time
Position: 140
Loop: LIN
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 2/LDT/140 segment to identify a date when it is expressed as a set time period from event.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
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.	
		AX From Date of Award to Date of Completion	
		Use only for services.	
		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	
		WK Weeks	

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

Position: 150

Loop: LIN

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:

- 1 At least one of SAC02 or SAC03 is required.
- 2 If either SAC03 or SAC04 is present, then the other is required.
- 3 If either SAC06 or SAC07 is present, then the other is required.
- 4 If either SAC09 or SAC10 is present, then the other is required.
- 5 If SAC11 is present, then SAC10 is required.
- 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
- 7 If SAC14 is present, then SAC13 is required.

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.

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 a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier DO - Dollars in SAC09.

Notes: *Use this segment only to identify discounts or free goods available during a promotional period. If the item is subject to a discount at all times or free goods are always provided when the item is purchased, use the 2/SAC/228 segment to provide that information.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
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	
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		F800 Promotional Allowance	
		<i>Use to indicate free goods that are only available during a promotion period, e.g., buy 1, get 1 free.</i>	
		F810 Promotional Discount	
		<i>Use to indicate a discount that is only available during a promotion period. This discount can be a percentage discount or a percentage discount based on a dollar amount or a quantity purchased.</i>	

SAC05	610	Amount Monetary amount. <i>Use to identify an order amount that is subject to a promotional discount.</i>	O	N2	1/15
SAC06	378	Allowance/ Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated. 4 Discount/Net <i>Use when SAC02 is code F810.</i>	X	ID	1/1
SAC07	332	Percent Percent expressed as a percent <i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>	X	R	1/6
SAC09	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 <i>Use any code.</i> Refer to 003050 Data Element Dictionary for acceptable code values.	X	ID	2/2
SAC10	380	Quantity Numeric value of quantity. <i>Use to identify a purchased quantity subject to a discount or a quantity that must be purchased to receive free goods.</i>	X	R	1/15
SAC11	380	Quantity Numeric value of quantity. <i>When SAC02 is code F800 and SAC10 is used, use to identify a quantity provided free when the quantity cited in SAC10 is purchased.</i>	O	R	1/15

Segment: **FOB** **F.O.B. Related Instructions**

Position: 160

Loop: LIN

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 2/FOB/160 segment when the Shipment Method of Payment and or the FOB point varies by item.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	FOB01	146	Shipment Method of Payment
			Code identifying payment terms for transportation charges.
			<i>Use any code to describe the method of payment of shipment charges.</i>
			<i>Typically, we expect code "BP" when the Department of Defense will have to pay the transportation charges, or code "PP" when the charges are prepaid by the selling party.</i>
		BP	Paid by Buyer
			<i>Use to indicate the buyer is to pay the transportation charges by issuance of a Government Bill of Lading (GBL).</i>
		PE	Prepaid and Summary Bill
			<i>Use when transportation charges are to be prepaid by the seller, are not included in the unit price, and are to be invoiced periodically.</i>
		PP	Prepaid (by Seller)
			<i>Use to indicate that transportation charges are not included in the unit price but are prepaid and are to be added as a separate item on this instrument's invoice.</i>
		PS	Paid by Seller
			<i>Use to indicate transportation charges are included in the unit price.</i>
FOB02	309	Location Qualifier	X ID 1/2
			Code identifying type of location.
		DE	Destination (Shipping)
			<i>Use when "FOB01" is code "PE", PP, or PS.</i>
		OR	Origin (Shipping Point)
			<i>Use when "FOB01" is code "BP".</i>

Segment: **TXI** Tax Information

Position: 166

Loop: LIN

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 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

Notes: *Use this segment to identify taxes that apply to the item and whether they are included in the price or are to be added to the price of the item.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use TXI01	963	Tax Type Code Code specifying the type of tax. Refer to 003050 Data Element Dictionary for acceptable code values.	M ID 2/2
TXI02	782	Monetary Amount Monetary amount.	X R 1/15
TXI03	954	Percent Percentage expressed as a decimal <i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>	X R 1/10
TXI07	662	Relationship Code Code indicating the relationship between entities A Add I Included	O ID 1/1

Segment: **CTP Pricing Information**

Position: 170

Loop: CTP

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.

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 the LIN segment. These include prices for a step ladder quantities prices or for delivery to various geographic locations (zones).
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	Name	Attributes
Des.	Element		
CTP02	236	Price Identifier Code	X ID 3/3
		Code identifying pricing specification.	
		ALT	Alternate Price
			Use to indicate a lease-to-purchase price.
		CAT	Catalog Price
			Use to indicate a standard commercial price, i. e., the price offered to the general public or the standard dealer price.
		D01	Federal Supply Schedule (FSS) Price
		DPR	Discount Price
			Use to indicate the price of the item is already discounted.
		DSC	Discount Amount Allowed
			Use to indicate the discount that can be applied to the price identified in the previous iteration of this segment.
		GOV	Government Price
			Use to indicate this is the price to the government.
		GTP	Temporary Price Reduction Price
			Use to indicate this is a temporary discounted price.

		ICL	Unit Price Through Quantity <i>When specifying prices for different quantities, use to indicate the end of a quantity range.</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>			
		MAX	Maximum Order Quantity Price <i>When specifying prices for different quantities, use to indicate the quantity above which the price will not change.</i>			
		MSR	Manufacturer's Suggested Retail <i>Use to indicate the base price from which the government price is calculated.</i>			
		PAQ	Price Break Quantity(s) <i>Use to indicate the quantity at which a price break occurs if there is only one such quantity. If price breaks are given at various quantities, use codes ICL, MAX, and PBQ as per the example.</i>			
		PBQ	Unit Price Beginning Quantity <i>When specifying prices for different quantities, use to indicate the beginning of a quantity range.</i>			
		PRP	Promotional price <i>Use to indicate this is a promotional price.</i>			
		RPA	Rental Price, Annual			
		RPM	Rental Price, Monthly			
		ZNP	Zone Price <i>Use to indicate the price for delivery to a zone cited in CTP10.</i>			
CTP03	212	Unit Price		O	R	1/17
			Price per unit of product, service, commodity, etc.			
CTP04	380	Quantity		X	R	1/15
			Numeric value of quantity.			
CTP05	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>Use any code.</i> Refer to 003050 Data Element Dictionary for acceptable code values.			
CTP06	648	Price Multiplier Qualifier		O	ID	3/3
			Code indicating the type of price multiplier. <i>Use to identify the discounted price.</i>			
		DIS	Discount Multiplier <i>Use to arrive at the discounted price. If a 10% discount is applicable, .90 in CTP07.</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	1/15
			Monetary amount. <i>When CTP02 is code DSC, use to identify the discount amount, e.g., 1.25.</i>			
CTP10	499	Condition Value		O	AN	1/10
			Identifies rate restrictions or provisions <i>When CTP02 is Code ZNP, use to indicate the delivery zone for the price</i>			

cited in CTP03.

Segment: DTM Date/Time Reference**Position:** 180**Loop:** CTP**Level:** Detail**Usage:** Optional**Max Use:** 10**Purpose:** To specify pertinent dates and times**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:**Comments:****Notes:** Use this 2/DTM/180 segment to identify promotion dates when these dates vary by item in the promotion. Use this segment, if applicable, when CTP02 is code GTP or PRP.**Data Element Summary**

Ref.	Data				
<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.			
		015 Promotion Start			
		Use to indicate the start date of a promotion.			
		016 Promotion End			
		Use to indicate the stop date of a promotion.			
DTM02	373	Date	X	DT	6/6
		Date (YYMMDD).			
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)			
		Use to identify the time that a promotion starts or ends.			
DTM04	623	Time Code	O	ID	2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow.			
		CT Central Time			
		ET Eastern Time			
		GM Greenwich Mean Time			
		LT Local Time			
		MT Mountain Time			
		PT Pacific Time			
DTM05	624	Century	O	N0	2/2
		The first two characters in the designation of the year (CCYY).			

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

Position: 228

Loop: CTP

Level: Detail

Usage: Optional

Max Use: 5

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.

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.

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 a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier DO - Dollars in SAC09.

Notes: *Use to identify allowances or additional charges applicable to the cited item in this LIN loop.*

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use SAC01	248	Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified.	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
		<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>Any code may be used but the following codes are preferred.</i>	
		A310 Air Express Charge	
		A320 Air Transportation Charge	
		A480 Assembly	
		A880 Cancellation Charge	

B940 Cutting Charge
 C000 Defective Allowance
 C310 Discount

Use to indicate a discount applies to the item cited in the same LIN loop.

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 is purchased, e.g., buy 10, get 1 free.

D290 Full Truckload Allowance
 D500 Handling
 D530 Hazardous Cargo Charge
 D660 Hook-up Charge
 D820 Inside Delivery
 D890 Installation and Training
 D900 Installation
 E930 One - Day Service
 F560 Premium Transportation
 F910 Quantity Discount

Use to indicate a discount applicable to a quantity purchased, e.g., a 10% discount is applicable if a quantity of 100 is purchased.

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

Use to indicate a basic charge for a service call. If the charge varies by distance, e.g., a set price within a 25 mile range, another price within a 50 mile range, etc. use SAC09/10/11 to provide that information.

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 003050 Data Element Dictionary for acceptable code values.

SAC05 610 Amount O N2 1/15

Monetary amount.

1. Use to identify the amount applicable to the service or allowance specified in SAC02.

2. This amount is additive to the unit price of the item.

SAC06 378 Allowance/ Charge Percent Qualifier X ID 1/1

Code indicating on what basis allowance or charge percent is calculated.

Use any code.

4

Discount/Net

Use when SAC02 is code C310 or F910.

5

Base Price per Unit

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>			
SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.			
SAC10	380	Quantity	X	R	1/15
		Numeric value of quantity. <i>1. Use to identify a purchased quantity subject to a discount or free goods.</i> <i>2. When SAC02 is code G740, use to specify the minimum distance applicable to a service charge, if appropriate.</i>			
SAC11	380	Quantity	O	R	1/15
		Numeric value of quantity. <i>1. When SAC02 is code F910 and SAC10 is used, use to identify a quantity provided free when the quantity cited in SAC10 is purchased.</i> <i>2. When SAC02 is code G740 and SAC10 is used, specify the maximum distance applicable to a service charge, if appropriate.</i>			

Segment: **N1** Name
Position: 230
Loop: N1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Syntax Notes:
 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.
Notes:
 1. Use this 2/N1/230 loop to identify parties that apply to the cited item in LIN01 or SLN01.
 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.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use N101	98	Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		DL Dealer	
		<i>Includes resellers.</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>	
		SF Ship From	
		<i>Use to indicate a location from which all items will be shipped.</i>	
N102	93	Name	X AN 1/35
		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).	
		<i>While the federal EDI program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases to new procurement actions.</i>	
	1	D-U-N-S Number, Dun & Bradstreet	
		<i>Use of the DUNS number or DUNS +4 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
Use of the DUNS number or DUNS +4 is preferred over other codes to identify an entity.
21 Health Industry I.D. Number (HIN)
33 Commercial and Government Entity (CAGE)
LI Labeler Identification Code (LIC)

N104	67	Identification Code	X	AN	2/20
Code identifying a party or other code.					

Segment: **N2** Additional Name Information
Position: 240
Loop: N1
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N201	93	Name Free-form name.	M AN 1/35
	N202	93	Name Free-form name.	O AN 1/35

Segment: **N3** Address Information
Position: 250
Loop: N1
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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

Segment: **N4** Geographic Location
Position: 260
Loop: N1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the USA or Canada.
Notes: *This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	19	City Name Free-form text for city name.	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency.	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O ID 3/11
N404	26	Country Code Code identifying the country.	O ID 2/3

Segment: PER Administrative Communications Contact**Position:** 280**Loop:** N1**Level:** Detail**Usage:** Optional**Max Use:** 3**Purpose:** To identify a person or office to whom administrative communications should be directed

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

Semantic Notes:**Comments:**

Notes: *This segment will be used when the point of contact is related to a named party being carried in the 2/N1/230 loop.*

Data Element Summary

Ref.	Data	Attributes
Des.	Element	Name
Must Use PER01	366	Contact Function Code
		Code identifying the major duty or responsibility of the person or group named.
		TR Technical Marketing Representative
		<i>Use to indicate a technical information contact.</i>
PER02	93	Name
		Free-form name.
		<i>Cite last name first, followed by first name. If the whole name is longer than 35 characters, truncate or use initials for the first name. If necessary, use PER09 to provide the party's title.</i>
PER03	365	Communication Number Qualifier
		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>
		EM Electronic Mail
		FX Facsimile
		IT International Telephone
		<i>Include the country code.</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
		Complete communications number including country or area code when applicable.
PER05	365	Communication Number Qualifier
		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>
		EM Electronic Mail
		EX Telephone Extension
		<i>Use only if PER03 is used citing code TE.</i>

FX Facsimile
 IT International Telephone
 TE Telephone

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

PER06 364 Communication Number X AN 1/80

Complete communications number including country or area code when applicable.

PER07 365 Communication Number Qualifier X ID 2/2

Code identifying the type of communication number.

Use to identify a third communications number for the party cited in PER02.

EM Electronic Mail

EX Telephone Extension

Use only if PER05 is used citing code TE.

FX Facsimile

IT International Telephone

Include the country code.

TE Telephone

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

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.

Use, if necessary, to provide the title of the party cited in PER02.

Segment:

Position:

Loop:

Level:

Usage:

Max Use:

Purpose:

Syntax Notes:

Semantic Notes:

Comments:

Notes:

CTT Transaction Totals

010

Summary

Mandatory

1

To transmit a hash total for a specific element in the transaction set

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.

1

This segment is intended to provide hash totals to validate transaction completeness and correctness.

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

Data Element Summary

Ref.		Data		Attributes		
Des.		Element	Name			
Must Use	CTT01	354	Number of Line Items	M	N0	1/6
		Total number of line items in the transaction set.				

Segment: **SE** Transaction Set Trailer

Position: 020

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Syntax Notes:

Semantic Notes:

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

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments 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>	M N0 1/10
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>This is the same number as the one carried in "ST02".</i>	M AN 4/9

NIST Technical Publications

Periodical

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