



832 Price/Sales Catalog

X12/V4010/832

Version: 1.1 DRAFT

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Revision History

Date	Version	Revision	Approved By
June 3, 2010	1.1	Fields made mandatory in LIN, G53, DTM, YNQ, PID, PO4, CTP; Added LIN12, LIN13	Mark Raymon
August 11, 2009	1.0	Initial Publication	Mark Raymon

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.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BCT	Beginning Segment for Price/Sales Catalog	M	1		
Used	070	DTM	Date/Time Reference	O	10		
Used	090	CUR	Currency	O	5		
Used	150	N1	Name	O	1		
Used	200	PER	Administrative Communications Contact	O	>1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - LIN							>1
Used	010	LIN	Item Identification	O	1		
Used	015	G53	Maintenance Type	O	1		n1
Used	030	DTM	Date/Time Reference	O	10		
Used	040	REF	Reference Identification	O	>1		
Used	045	YNQ	Yes/No Question	O	10		
Used	060	CTB	Restrictions/Conditions	O	25		
Used	070	PID	Product/Item Description	O	200		
Used	100	PO4	Item Physical Details	O	1		
Used	108	TD5	Carrier Details (Routing Sequence/Transit Time)	O	>1		
Used	140	LDT	Lead Time	O	1		
Used	168	G55	Item Characteristics - Consumer Unit	O	1		
LOOP ID - CTP							100
Used	170	CTP	Pricing Information	O	1		
LOOP ID - N1							>1
Used	230	N1	Name	O	1		
LOOP ID - SLN							>1
Used	350	SLN	Subline Item Detail	O	1		

Summary:

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

Transaction Set Notes

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

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

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

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

Syntax Notes:

Semantic Notes:

Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BCT01	683	Catalog Purpose Code Code indicating purpose of catalog SC Sales Catalog	M ID 2/2
	BCT02	684	Catalog Number Identifying number for catalog or superseded catalog	O AN 1/15
	BCT03	685	Catalog Version Number Identifying version number of catalog or superseded catalog	O AN 1/15
	BCT09	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
	BCT10	353	Transaction Set Purpose Code Code identifying purpose of transaction set	O ID 2/2
			00 Original	
			01 Cancellation	
			02 Add	
			03 Delete	
			04 Change	
			08 Status	

Segment: **DTM** **Date/Time Reference**
Position: 070
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			007 Effective	
			018 Available	
			036 Expiration	
			Date coverage expires	
			097 Transaction Creation	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

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:	<ol style="list-style-type: none"> 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.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	CUR01	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
M	CUR02	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	

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

Data Element Summary

M	Ref.	Data			<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		
	N101	98	Entity Identifier Code		M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			SF Ship From		
	N102	93	Name		X AN 1/60
			Free-form name		
	N103	66	Identification Code Qualifier		X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	N104	67	Identification Code		X AN 2/80
			Code identifying a party or other code		

Segment: **PER** **Administrative Communications Contact**
Position: 200
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

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

Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	PER02	93	Name	O AN 1/60
			Free-form name	
	PER03	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			TE Telephone	
	PER04	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
	PER05	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			FX Facsimile	
	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	
			EM Electronic Mail	
	PER08	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	

Segment:	LIN	Item Identification
Position:	010	
Loop:	LIN	
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify basic item identification data	
Syntax Notes:	1 If either LIN04 or LIN05 is present, then the other is required. 2 If either LIN06 or LIN07 is present, then the other is required. 3 If either LIN08 or LIN09 is present, then the other is required. 4 If either LIN10 or LIN11 is present, then the other is required. 5 If either LIN12 or LIN13 is present, then the other is required. 6 If either LIN14 or LIN15 is present, then the other is required. 7 If either LIN16 or LIN17 is present, then the other is required. 8 If either LIN18 or LIN19 is present, then the other is required. 9 If either LIN20 or LIN21 is present, then the other is required. 10 If either LIN22 or LIN23 is present, then the other is required. 11 If either LIN24 or LIN25 is present, then the other is required. 12 If either LIN26 or LIN27 is present, then the other is required. 13 If either LIN28 or LIN29 is present, then the other is required. 14 If either LIN30 or LIN31 is present, then the other is required.	
Semantic Notes:	1 LIN01 is the line item identification	
Comments:	1 See the Data Dictionary for a complete list of IDs. 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.	

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	LIN01	350	Assigned Identification	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
M	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)	
			VP	Vendor's (Seller's) Part Number
M	LIN03	234	Product/Service ID	M AN 1/48
			Identifying number for a product or service	
	LIN04	235	Product/Service ID Qualifier	M ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			MG	Manufacturer's Part Number
	LIN05	234	Product/Service ID	M AN 1/48
			Identifying number for a product or service	
	LIN06	235	Product/Service ID Qualifier	M ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			CH	Country of Origin
	LIN07	234	Product/Service ID	M AN 1/48
			Identifying number for a product or service	
	LIN08	235	Product/Service ID Qualifier	M ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			MF	Manufacturer/Brand
	LIN09	234	Product/Service ID	M AN 1/48

		Identifying number for a product or service		
LIN10	235	Product/Service ID Qualifier	M	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		UP U.P.C. Consumer Package Code (1-5-5-1)		
LIN11	234	Product/Service ID	M	AN 1/48
		Identifying number for a product or service		
LIN12	235	Product/Service ID Qualifier	M	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		HD H.T.S. Code (Harmonized Tariff Schedule of the United States)		
LIN13	234	Product/Service ID	M	AN 1/48
		Identifying number for a product or service		

Segment: **G53** Maintenance Type
Position: 015
Loop: LIN
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify the specific type of item maintenance
Syntax Notes:
Semantic Notes:
Comments:
Notes: Sent only when BCT10 = 04 (Change)

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	G5301	875	Maintenance Type Code	M ID 3/3
			Code identifying the specific type of item maintenance	
			001 Change	
			002 Delete	
			003 Add Full Item Detail	

Segment: **DTM** **Date/Time Reference**
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			016 Promotion End	
			018 Available	
			036 Expiration	
			Date coverage expires	
			043 Publication	
			092 Contract Effective	
			177 Cancellation	
			Date on which the coverage or service is no longer in force	
	DTM02	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	

Segment: **REF** **Reference Identification**
Position: 040
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification PG Product Group	
	REF03	352	Description	M AN 1/80
			A free-form description to clarify the related data elements and their content Please use the following codes:	
			NEW New item offered by Supplier ACTIVE Active item PHASED OUT Item is being phased out by vendor or Supplier ALLOCATED Item has a limited supply TD-DIS Item has been discontinued by Supplier VEN-DIS Item has been discontinued by vendor (B&H) SP-ORDER Special order item	

Segment:	YNQ Yes/No Question
Position:	045
Loop:	LIN Optional
Level:	Detail
Usage:	Mandatory
Max Use:	10
Purpose:	To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition
Syntax Notes:	<ol style="list-style-type: none"> 1 Only one of YNQ01 YNQ09 or YNQ10 may be present. 2 If either YNQ03 or YNQ04 is present, then the other is required. 3 If YNQ09 is present, then YNQ08 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied. 2 YNQ10 contains a free-form question when codified questions are not available.
Comments:	Both codes are required (NC and QR)

Data Element Summary				
Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
YNQ01	1321	Condition Indicator	M	ID 2/2
		Code indicating a condition		
		NC Item has Direct Numerical Control(serialized)		
		QR Item is UPS Shippable		
M	YNQ02	1073 Yes/No Condition or Response Code	M	ID 1/1
		Code indicating a Yes or No condition or response		
		Refer to 004010 Data Element Dictionary for acceptable code values.		

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

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

Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTB01	688	Restrictions/Conditions Qualifier	M ID 2/2
			Code identifying the type of restriction/condition	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	CTB03	673	Quantity Qualifier	X ID 2/2
			Code specifying the type of quantity	
			32 Quantity Sold	
			57 Minimum Order Quantity	
			70 Maximum Order Quantity	
			7D Range Maximum	
			7E Range Minimum	
	CTB04	380	Quantity	X R 1/15
			Numeric value of quantity	
	CTB05	522	Amount Qualifier Code	X ID 1/3
			Code to qualify amount	
			N Net	
			Indicates the value remaining after all deductions and adjustments have been made	
	CTB06	610	Amount	X N2 1/15
			Monetary amount	

Segment:	PID	Product/Item Description
Position:	070	
Loop:	LIN	Optional
Level:	Detail	
Usage:	Mandatory	
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 PID04 is required. 5 If PID09 is present, then PID05 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; an "N" indicates it does not apply. Any other value is indeterminate. 4 PID09 is used to identify the language being used in PID05. 	
Comments:	<ol style="list-style-type: none"> 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used. 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment. 3 PID07 specifies the individual code list of the agency specified in PID03. 	

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	PID01	349 Item Description Type	M ID 1/1
		Code indicating the format of a description	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	PID05	352 Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment:	PO4	Item Physical Details
Position:	100	
Loop:	LIN	Optional
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item	
Syntax Notes:	<ol style="list-style-type: none"> 1 If either PO402 or PO403 is present, then the other is required. 2 If PO405 is present, then PO406 is required. 3 If either PO406 or PO407 is present, then the other is required. 4 If either PO408 or PO409 is present, then the other is required. 5 If PO410 is present, then PO413 is required. 6 If PO411 is present, then PO413 is required. 7 If PO412 is present, then PO413 is required. 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required. 9 If PO417 is present, then PO416 is required. 10 If PO418 is present, then PO404 is required. 	
Semantic Notes:	<ol style="list-style-type: none"> 1 PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package. 2 PO416 is the package identifier or the beginning package identifier in a range of identifiers. 3 PO417 is the ending package identifier in a range of identifiers. 4 PO418 is the number of packages in this layer. 	
Comments:	<ol style="list-style-type: none"> 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ". 2 PO413 defines the unit of measure for PO410, PO411, and PO412. 	

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
PO401	356	Pack	O N0 1/6
		The number of inner containers, or number of eaches if there are no inner containers, per outer container	
PO406	384	Gross Weight per Pack	M R 1/9
		Numeric value of gross weight per pack	
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	
PO413	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO416	350	Assigned Identification	X AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	

Segment:	TD5	Carrier Details (Routing Sequence/Transit Time)
Position:	108	
Loop:	LIN	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify the carrier and sequence of routing and provide transit time information	
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required. 5 If TD513 is present, then TD512 is required. 6 If TD514 is present, then TD513 is required. 7 If TD515 is present, then TD512 is required.	
Semantic Notes:	1 TD515 is the country where the service is to be performed.	
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.	

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
TD511	733	Transit Time	X R 1/4
		The numeric amount of transit time	

Segment: **LDT** **Lead Time**
Position: 140
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify lead time for availability of products and services
Syntax Notes:
Semantic Notes: 1 LDT04 is the effective date of lead time information.
Comments: 1 LDT02 is the quantity of unit of time periods.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LDT01	345	Lead Time Code Code indicating the time range Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
M	LDT02	380	Quantity Numeric value of quantity	M R 1/15
M	LDT03	344	Unit of Time Period or Interval Code indicating the time period or interval Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2

Segment:	G55	Item Characteristics - Consumer Unit
Position:	168	
Loop:	LIN	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To provide physical characteristics relative to a consumer unit	
Syntax Notes:	1 If either G5503 or G5504 is present, then the other is required. 2 If either G5505 or G5506 is present, then the other is required. 3 If either G5507 or G5508 is present, then the other is required. 4 If either G5509 or G5510 is present, then the other is required. 5 If either G5511 or G5512 is present, then the other is required. 6 If either G5514 or G5515 is present, then the other is required. 7 If any of G5523 G5524 or G5525 is present, then all are required. 8 If any of G5526 G5527 or G5528 is present, then all are required. 9 If either G5529 or G5530 is present, then the other is required.	
Semantic Notes:	1 G5521 indicates if the product is prepriced. Code "Y" indicates the product is prepriced. Code "N" indicates the product is not prepriced.	
Comments:	1 G5516 is limited to 16 characters.	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	G5501	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) C3 Classification	M ID 2/2
M	G5502	234	Product/Service ID Identifying number for a product or service	M AN 1/48

Segment:	CTP Pricing Information
Position:	170
Loop:	CTP Optional
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify pricing information
Syntax Notes:	<ol style="list-style-type: none"> 1 If either CTP04 or CTP05 is present, then the other is required. 2 If CTP06 is present, then CTP07 is required. 3 If CTP09 is present, then CTP02 is required. 4 If CTP10 is present, then CTP02 is required. 5 If CTP11 is present, then CTP03 is required.
Semantic Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
CTP02	236	Price Identifier Code	M ID 3/3
		Code identifying pricing specification	
		NET	NET PRICE (cost to B&H)
		LPR	List Price (suggested retail)
		ZEF	Education Student, Staff Price
		ZEH	Education, Higher
		ZEL	Education, K-12
		ZFE	Federal Price
		ZFG	Federal GSA Price
CTP03	212	Unit Price	M R 1/17
		Price per unit of product, service, commodity, etc.	

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

Data Element Summary

M	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			CT Country of Origin	
	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	

Segment:	SLN	Subline Item Detail
Position:	350	
Loop:	SLN	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify product subline detail item data	
Syntax Notes:	1 If either SLN04 or SLN05 is present, then the other is required. 2 If SLN07 is present, then SLN06 is required. 3 If SLN08 is present, then SLN06 is required. 4 If either SLN09 or SLN10 is present, then the other is required. 5 If either SLN11 or SLN12 is present, then the other is required. 6 If either SLN13 or SLN14 is present, then the other is required. 7 If either SLN15 or SLN16 is present, then the other is required. 8 If either SLN17 or SLN18 is present, then the other is required. 9 If either SLN19 or SLN20 is present, then the other is required. 10 If either SLN21 or SLN22 is present, then the other is required. 11 If either SLN23 or SLN24 is present, then the other is required. 12 If either SLN25 or SLN26 is present, then the other is required. 13 If either SLN27 or SLN28 is present, then the other is required.	
Semantic Notes:	1 SLN01 is the identifying number for the subline item. 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials. 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item. 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.	
Comments:	1 See the Data Element Dictionary for a complete list of IDs. 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.	

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
M	SLN01	350 Assigned Identification	M AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
M	SLN03	662 Relationship Code	M ID 1/1
		Code indicating the relationship between entities	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	SLN04	380 Quantity	X R 1/15
		Numeric value of quantity	
	SLN05	C001 Composite Unit of Measure	X
		To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355 Unit or Basis for Measurement Code	M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	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

Refer to 004010 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	
C00107	355	Unit or Basis for Measurement Code	O ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
C00108	1018	Exponent	O R 1/15
		Power to which a unit is raised	
C00109	649	Multiplier	O R 1/10
		Value to be used as a multiplier to obtain a new value	
C00110	355	Unit or Basis for Measurement Code	O ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
C00111	1018	Exponent	O R 1/15
		Power to which a unit is raised	
C00112	649	Multiplier	O R 1/10
		Value to be used as a multiplier to obtain a new value	
C00113	355	Unit or Basis for Measurement Code	O ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
C00114	1018	Exponent	O R 1/15
		Power to which a unit is raised	
C00115	649	Multiplier	O R 1/10
		Value to be used as a multiplier to obtain a new value	
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)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
SLN10	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
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)	
		TP Product Type Code	
SLN20	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.
 2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

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

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

Sample 832

ISA*00* *00* *16*081945530A10 *01*116012659 *090810*0600*U*00401*000008513*0*P*~
GS*SC*081940553*116012659*20090810*0600*8513*X*004010~
ST*832*8585~
BCT*PC*20090810054600*****04~
DTM*007*20090810~
CUR*SE*USD~
N1*DS*Sample CORPORATION*1*081940553~
PER*IC*APPLE SBU 1*TE*727-539-7629*FX*727-538-7960~
LIN*1*VP*58086P*MF*AMERICAN POWER CONVERSION*MG*NBAC0213L*****UP*731304262046~
G53*001~
REF*PG**NEW~
YNQ*NC*N~
PID*F*08***5M NETBOTZ USB LATCHING-REPEATER CBL LSZH~
PO4*1*0.02*EA**G*0.7*LB***5.906*7.087*1.181*IN~
LDT*AE*1*DA*20090810~
CTP*DI*CON*46.2~
CTP*DI*MSR*69.99~
CTP*DI*LPR*46.13~
LIN*2*VP*755207*MF*FUJITSU*MG*VP-WF04-00U1~
G53*002~
REF*PG**VEN-DIS~
YNQ*NC*Y~
PID*F*08***VRS 4.1 PROF FOR-USB/FWIRE WGRP SCANNERS~
PO4*1*0.04*EA**G*0.5*LB***9.252*7.48*1.181*IN~
LDT*AE*1*DA*20090810~
CTP*DI*CON*782.7~
CTP*DI*MSR*1295~
CTP*DI*LPR*789.94~
SLN*0000000001**D*1*EA~
CTT*2~
SE*31*8585~
GE*1*8513~
IEA*1*0000085