

832 Price/Sales Catalog – Hardlines Draft October 2003

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		
LOOP ID - N1						>1	
	150	N1	Name	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - LIN						>1	
	010	LIN	Item Identification	O	1		
	030	DTM	Date/Time Reference	O	10		
	040	REF	Reference Identification	O	>1		
CR	045	YNQ	Yes/No Question	O	10		
	060	CTB	Restrictions/Conditions	O	25		
	070	PID	Product/Item Description	O	200		
	080	MEA	Measurements	O	40		
	090	PKG	Marking, Packaging, Loading	O	25		
	110	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1		
	140	LDT	Lead Time	O	1		
	165	TC2	Commodity	O	2		
	168	G55	Item Characteristics - Consumer Unit	O	1		
LOOP ID - CTP						100	
	170	CTP	Pricing Information	O	1		
	180	DTM	Date/Time Reference	O	10		
	200	CUR	Currency	O	5		
	228	SAC	Service, Promotion, Allowance, or Charge Information	O	>1		
LOOP ID - N1						>1	
	230	N1	Name	O	1		
	260	N4	Geographic Location	O	1		
LOOP ID - G39						>1	
	283	G39	Item Characteristics - Vendor's Selling Unit	O	1		
LOOP ID - SLN						>1	
	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>
	010	CTT	Transaction Totals	O	1		n1
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- Number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction.

832 Price/Sales Catalog – Hardlines Draft October 2003

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:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 832 Price/Sales Catalog	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 The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.	M AN 4/9

832 Price/Sales Catalog – Hardlines Draft October 2003

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:

Notes: BCT10 is used only to clarify, to the receiver, the sender's purpose of the transaction set. Codes '02', '04', and '05' are to be used to update catalog information kept by the user of the catalog data, e.g., a retailer or the vendor's agent.

If multiple types of item maintenance are being sent by the manufacturer/seller, all items that fall under the same maintenance type, i.e. "Add", must be grouped under a single ST, and a new ST generated for each different maintenance type.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	BCT01	683 Catalog Purpose Code Code indicating purpose of catalog	M ID 2/2
		PC Price Catalog Used when seller is communicating price changes only.	
		RC Resale Catalog U.P.C. Catalog Data, Traditional Vendor's Catalog, and Item Maintenance	
	BCT02	684 Catalog Number Identifying number for catalog or superseded catalog Owner of the catalog, generally the vendor	O AN 1/15
	BCT10	353 Transaction Set Purpose Code Code identifying purpose of transaction set NOTE: Need to determine which action codes are needed.	O ID 2/2
		02 Add	
		04 Change This action is used to communicate only the changed data for the GTIN record, not the entire list of GTIN attributes. Effective dates for prices should be included in the CTP loop. For all other attributes, the Effective Change Date should be sent in the DTM segment. If a specific date is not noted, then the changes are effective immediately.	
		05 Replace Use replace to refresh the entire GTIN record or to change date information associated with the product life cycle. The entire GTIN record must be sent. This is the only method of blanking out a previously populated data element.	

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.
Notes: When supported, values in the N1 loop at the Detail Level override values provided at the Header Level.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		BY Buying Party (Purchaser)	
		BUYER. Use with N103/04 to specify Buyer Identification Type and Buyer ID.	
		SE Selling Party	
		SELLER - Manufacturer or supplier of the trade items identified in this transaction set.	
		Use with N103/04 to specify Seller Identification Type and Seller ID.	
M	N103	66 Identification Code Qualifier	M ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		ALTERNATE PARTY IDENTIFICATION TYPE	
		Use with N104 when N101= BY or SE.	
		See External Code Source 16 in Section III for reference document.	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		ALTERNATE PARTY IDENTIFICATION TYPE	
		Use with N104 when N101= BY or SE.	
		See External Code Source 16 in Section III for reference document.	
		91 Assigned by Seller or Seller's Agent	
		ALTERNATE PARTY IDENTIFICATION TYPE	
		Use with N104 when N101= BY or SE.	
		92 Assigned by Buyer or Buyer's Agent	
		ALTERNATE PARTY IDENTIFICATION TYPE	
		Use with N104 when N101= BY or SE.	
		UL UCC/EAN Location Code	
		A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system	
		This is the 13-digit GLOBAL LOCATION NUMBER (GLN)	
		Use with N104 to specify the GLN of the Buyer (N101=BY) or the Seller (N101=SE).	

Segment: **LIN** Item Identification

Position: 010

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify basic item identification data

Syntax Notes:

- 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.

Notes:

Although optional at this time, the recommended primary identifier for a trade item is the Global Trade Item Number (GTIN). If GTINs are not currently assigned to your trade items, you may use the Additional Item Identification and Alternate Item Identification Numbers in the short-term.

Each trade item within a packaging hierarchy must have a unique GTIN. For example, the consumer unit that is placed on the retail shelf must be marked with a different GTIN than the case in which it is shipped from the seller to the buyer, if applicable. Therefore, any particular GTIN will only be EITHER a consumer unit or a vendor selling unit, but not both.

If the item identified in the LIN is a vendor selling unit (aka Buy Pack), then a G39 segment must be sent to describe the characteristics of the vendor selling unit (i.e. case, pallet, module), but no G55 segment should be sent.

If the item identified in the LIN is a consumer unit (aka Sell Pack), then a G55 segment must be sent to describe the characteristics of the consumer unit, but no G39 segment should be sent. If the consumer unit has relevant dimensions for both packaged and unpackaged states, use the G55 to describe packaged dimensions and the MEA segment to describe unpackaged dimensions.

Therefore, an LIN loop will only have either a G55 or a G39 segment within it, but never both, since G55 relates to consumer unit, and G39 relates to all other packaging levels (i.e. - pallet, module, and case).

Information pairs may be sent in any order, as long as the correct qualifier precedes the corresponding information in the next data element. LIN02 and LIN03 are always required, regardless of which qualifier is specified.

The codes listed for LIN02 apply to every occurrence of DE 235 in the LIN segment.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set A sequential number assigned to each line item within the transaction starting with one.	O AN 1/20
M	LIN02	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	M ID 2/2
		EN EAN/UCC-13 Data Structure for the 13-digit EAN.UCC Global Trade Item Number (GTIN).	
		EO EAN/UCC-8 Data Structure for the 8-digit EAN.UCC Global Trade	

832 Price/Sales Catalog – Hardlines Draft October 2003

	Item Number (GTIN). Added to X12 in v4030; added to VICS in v4040
IN	Buyer's Item Number Used to specify ADDITIONAL ITEM IDENTIFICATION.
MN	Model Number Used to specify ALTERNATE ITEM IDENTIFICATION.
UK	EAN/UCC-14 Data Structure for the 14-digit EAN.UCC Global Trade Item Number (GTIN).
UP	EAN/UCC-12 Data Structure for the 12-digit EAN.UCC Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.).
VE	Vendor Color Used to specify Vendor's proprietary color code for the GTIN.
VN	Vendor's (Seller's) Item Number Used to specify ADDITIONAL ITEM IDENTIFICATION.

M	LIN03	234	Product/Service ID Identifying number for a product or service If DE 235 = EN, EO, UK, or UP, then DE 234 will be the GLOBAL TRADE ITEM NUMBER (GTIN). GTIN is the recommended primary item identifier. This is the unique identifier for an item supported by the EAN/UCC system. Note that GTIN is an umbrella term used to describe the entire family of EAN/UCC data structures for trade item: UCC-12 (12-digit U.P.C.), EAN/UCC-8, EAN/UCC-13, and EAN/UCC-14. If DE 235 = VE, then DE 234 will be the Vendor's COLOR CODE VALUE. If DE 235 = IN, then DE 234 will be the Buyer's Item Number (ADDITIONAL ITEM IDENTIFICATION). If DE 235 = VN, then DE 234 will be the Vendor's (Seller's) Item Number (ADDITIONAL ITEM IDENTIFICATION). If DE 235 = MN, then DE 234 will be the Vendor's Model Number (ALTERNATE ITEM IDENTIFICATION).	M	AN 1/48
	LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID 2/2
	LIN05	234	Product/Service ID Identifying number for a product or service	O	AN 1/48
	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID 2/2
	LIN07	234	Product/Service ID Identifying number for a product or service	O	AN 1/48
	LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID 2/2
	LIN09	234	Product/Service ID Identifying number for a product or service	C	AN 1/48
	LIN10	235	Product/Service ID Qualifier	X	ID 2/2

832 Price/Sales Catalog – Hardlines Draft October 2003

LIN11	234	Code identifying the type/source of the descriptive number used in Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/48
--------------	------------	--	----------	----------------

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.
Notes: These dates are only applicable to the Trade Item identified in the preceding LIN segment.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	DTM01	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		018 Available	
			START AVAILABILITY DATE - Use with DTM02 to specify first available ship date for the Trade Item.
			U.P.C. CATALOG: AVAILABLE DATE – First Available Ship date. Implies nothing about current availability.
		036 Expiration	
		Date coverage expires	
			END AVAILABILITY DATE - Use with DTM02 to specify the date from which the Trade Item ceases to be available to the trade.
			Note: Per the VICS EDI Trade Item Identification and Communication Guidelines, GTINs may only be reused under specific circumstances. Once an item has been discontinued, the minimum retention period is 48 months. The retention period must expire for a discontinued GTIN before the identifier may be reused on a new trade item.
		043 Publication	
			EFFECTIVE CHANGE DATE - Use with DTM02 to specify the date on which the change to the Trade Item will be effective.
		67 Functional Performance	
		152 Effective Date of Change	
			When BCT 01 contains code PS (Retail Price communication), this is the shipment date when this price change is effective, i.e.
		177 Cancellation	
			CANCELLATION DATE as defined by the <u>Trade Item Identification and Communication Guidelines</u>
		440 Release of Information	
		604 Withdrawn	
			The trade item is no longer available from the information provider
M	DTM02	Date	M DT 8/8
		Date expressed as CCYYMMDD	
			CC represents the first two digits of the calendar year.

832 Price/Sales Catalog – Hardlines Draft October 2003

**Change Request Pending
(open)**

DTM03

337

Time

C TM 4/8

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

NOT USED BY RETAIL INDUSTRY

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.
Notes: This segment is used to indicate the Material Safety Data Sheet (MSDS) number for the trade item, if one exists. Presence of an MSDS number in REF02 assumes there is a number associated with the trade item.
 Do not send this segment if the trade item does not have an MSDS.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
			Q6 MS	Recall Number Manufacturer's Material Safety Data Sheet Number Use with REF02 to specify the MSDS number for the trade item.
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30

Change Request Pending (add segment)

Segment: **YNQ** Yes/No Question
Position: 045
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

Syntax Notes: **1** E010910 – Only one of YNQ01, YNQ09 or YNQ10 may be present.
03 P0304 – If either YNQ03 or YNQ04 is present, then the other is required.
08 C0908 – If YNQ09 is present, then YNQ08 is required.

Notes: 02 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.
 10 YNQ10 contains a free-form question when codified questions are not available

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	YNQ01	1321 Condition Indicator Code indicating a condition XX ??	M ID 2/3
M	YNQ02	1073 Yes/No Condition or Response Code Code indicating a Yes or No condition or response	M ID 1/1
	YNQ10	933 Free-form Message Text Free-form message text	M AN 1/264

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.
Notes: Ordering restrictions specified at the Detail Level override those provided at the Header Level.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	CTB01	688 Restrictions/Conditions Qualifier Code identifying the type of restriction/condition	M ID 2/2
		OR Ordering	
M	CTB03	673 Quantity Qualifier Code specifying the type of quantity	M ID 2/2
		57 Minimum Order Quantity The minimum quantity of the Trade Item that can be ordered.	
		70 Maximum Order Quantity The maximum quantity of the trade item that can be ordered.	
		AP Order Quantity Multiple Product must be ordered in multiples of a number Minimum order quantity, if applicable, must also be met.	
M	CTB04	380 Quantity Numeric value of quantity	M R 1/9

Segment: **PID** **Product/Item Description**
Position: 070
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 200
Purpose: To describe a product or process in coded or free-form format
Syntax Notes: 1 If PID04 is present, then PID03 is required.
 2 At least one of PID04 or PID05 is required.
 3 If PID09 is present, then PID05 is required.
Notes: The PID segment is used to provide GTIN descriptions in text and/or coded formats. The codes in PID04 are published only in this guideline.
 If PID01=F, then PID05 is used. If PID01=S, then PID04 is used. If PID01=X, then both PID04 and PID05 are used.
 Refer to the segment structure table below (at the end of the PID segment outline) for detailed information on how to format the PID segment correctly for each attribute supported.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	PID01	349 Item Description Type	M ID 1/1
		Code indicating the format of a description	
		F Free-form	The description will be found in PID05.
		S Structured (From Industry Code List)	The description will be found in PID04.
		X Semi-structured (Code and Text)	The description will be found in PID04 and PID05.
	PID02	750 Product/Process Characteristic Code	C ID 2/3
		Code identifying the general class of a product or process characteristic	
		05 Category	TRADE ITEM CLASSIFICATION - use with PID05 to specify classification code for trade item.
		08 Product	DESCRIPTION SHORT - A free form short length description of the trade item that can be used to identify the trade item at point of sale. Use with PID05. ITEM DESCRIPTION (Long) - A definition describing the principle benefit/use of the trade item. Use with PID03/04/05.
		09 Sub-product	
		XX Sub-Brand	
		77 Finish Description	
		73 Vendor color description	COLOR - Description of the color of the trade item. Use with PID05.
		DAC Damage Code	
		Type of damage	RETURNED GOODS POLICY - Use with PID05 to specify the destroy/return policy code for returned, damaged or defective goods. See PID05 for list of

			acceptable values.
Change Request Pending (new code)	XX		Dangerous Goods Packing Group
Change Request Pending (new code)	XX		Dangerous Goods Technical Name
Change Request Pending	GEN		General Description
	HZ		Hazardous Material
	HZR		Hazardous Rating System
Change Request Pending (new code) will replace DAC	XX		Return Goods Policy
	TRN		Trade Name BRAND NAME - The recognizable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer. Use with PID05.
Change Request Pending (new code)	XX		Variant
	WD		Warranty Description The warranty description for the final consumer, which the retailer needs to keep on file, in case the consumer has a claim against the warranty PID05 will contain the URL where warranty information may be obtained.
PID03	559	Agency Qualifier Code	C ID 2/2
		Code identifying the agency assigning the code values	
		This element indicates the organization that publishes the codes used in PID04.	
Change Request Pending	OS		United States Occupational Safety and Health Administration (OSHA) HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) - PID04 will contain the 5-character HMIS Code.
Change Request Pending (new code)	XX		Universal Descriptor Exchange (UDEX)
	VI		Voluntary Inter-Industry Commerce Standard (VICS) EDI ITEM DESCRIPTION - Use with PID04/05. TRADE ITEM DESCRIPTORS - Use with PID04. Refer to PID04 for codes supported for each attribute.
PID04	751	Product Description Code	O AN 1/12
		A code from an industry code list which provides specific data about a product characteristic	
Change Request Pending (ADD CODES TO VICS MAINTAINED LIST)		BU = BASE UNIT	
		CA = CASE	
		DS = DISPLAY SHIPPER	
		DU = DESPATCH UNIT	
		EA = EACH	
		IU = INVOICE UNIT	
		MX = MIXED MODULE	
		OU = ORDERABLE UNIT	
		PK = INNER PACK	
		PL = PALLET	
		VU = VARIABLE UNIT	

RC = Recalled Product

When PID03=OS, the 5-character HMIS Code is formatted as follows:

- Position 1 - HMIS Health Hazard
- Position 2 - "*" if it is Chronic
- Position 3 - Flammability Hazard
- Position 4 - Physical Hazard
- Position 5 - Personal Protection

When PID03=VI, use the following with PID05 for ITEM DESCRIPTION:

ED Extended Description

When PID03=VI, acceptable values for TRADE ITEM DESCRIPTORS:

- PU** U.P.C. Prepack - A standard assortment of trade items. Each of the component GTINs is scannable at the point-of-sale and may or may not be orderable separately outside of the prepack. The prepack GTIN is not scanned at the point-of-sale.
- MP** U.P.C. Multipack - A group of trade items (the same or different) that is intended to be sold as a single consumer unit at the point-of-sale. Generally, components of a multipack are not marked with individual trade item GTINs.
- SP** U.P.C. Setpack - A group of trade items that may be sold individually or as a group at the point-of-sale. Each of the components must have a GTIN that is scannable at the point-of-sale.
- CL** Collateral - A trade item delivered from a manufacturer to the retail selling floor that is not considered inventory and has no retail value.
- GW** Gift with Purchase (GWP) - A trade item given to a consumer as part of a promotional event, contingent on the consumer making a purchase of another trade item or trade items. A GWP is considered inventory and has no retail value.
- PW** Purchase with Purchase (PWP) - A trade item sold to a consumer at a special price as part of a promotional event, contingent on the consumer purchasing another trade item or trade items. A PWP is considered inventory and has a retail value.

PID05 352 Description O AN 1/80

A free-form description to clarify the related data elements and their content
When using PID05, PID02 must also be present. Attribute formats:

Primary Product Description (DESCRIPTION SHORT) - AN 1/30
GDD Name/Length are not in compliance with VICS EDI Trade Item Identification and Communication Guidelines

Extended Product Description (ITEM DESCRIPTION) - AN 1/80
GDD Name/Length are not in compliance with VICS EDI Trade Item Identification and Communication Guidelines

COLOR - AN 1/70
GDD Name/Length are not in compliance with VICS EDI Trade Item Identification and Communication Guidelines

WARRANTY DESCRIPTION AN 1/80

When PID02=DAC (temporary code), (XX) Return Goods Policy the acceptable values are:

- DFC (Destroy for Credit)
- RFC (Return for Credit)

832 Price/Sales Catalog – Hardlines Draft October 2003

PID09	819	HFI (Hold for Inspection)	O ID 2/3
		Language Code	
		Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639) This value identifies the language being used in PID05.	

PID Segment Structure Table:

The table below indicates the correct structure for the PID segment based upon the attribute being sent. Each attribute requires a separate occurrence of the PID. “Value” indicates the element within the PID segment that will contain the actual attribute value. Refer to the PID segment detail above for attribute format requirements and lists of acceptable values, where appropriate.

Attribute	PID01	PID02	PID03	PID04	PID05	PID09
Brand Name	F	TRN			Value	
Color	F	73			Value	Language Code
Description Short	F	08			Value	Language Code
Warranty Description	F	WD			Warranty URL	
Item Description (Long)	X	08	VI	ED	Value	Language Code
Trade Item Classification	F	05			Value	
Returned Goods Policy	F	DAC			Policy Code	
Hazardous Materials Identification System (HMIS)	S		OS	HMIS Code		
Trade Item Descriptor – Prepack	S		VI	PC, PU		
Trade Item Descriptor – Multipack	S		VI	MP		
Trade Item Descriptor – Setpack	S		VI	SP		
Trade Item Descriptor – Gift with Purchase (GWP)	S		VI	GW		
Trade Item Descriptor – Purchase with Purchase (PWP)	S		VI	PW		
Trade Item Descriptor – Collateral	S		VI	CL		

Segment: **MEA** Measurements
Position: 080
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes: 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
 2 If MEA05 is present, then MEA04 is required.
 3 If MEA06 is present, then MEA04 is required.
Notes: Refer to the segment structure table below (at the end of the MEA segment outline) for detailed information on how to format the MEA segment correctly for each attribute supported.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
MEA01	737	Measurement Reference ID Code Code identifying the broad category to which a measurement applies	O ID 2/2
		BD	Billed Dimensions TRADE ITEM UNIT OF MEASURE - Use with MEA03/04. MEA03 will contain the value "1" to satisfy the MEA segment syntax requirement. MEA04 will specify the measurement used for ordering or selling the trade item.
Change Request Pending (new code)		XX	Selling Dimensions TRADE ITEM ALTERNATE UNIT OF MEASURE – Used when trade items are ordered by one unit of measure but sold under another (alternate) unit of measure
Change Request Pending		CT	Counts TRADE ITEM UNIT - Use with MEA03. For trade items that contain multiple pieces to make up a single consumer unit (i.e. garbage cans), the numeric value in MEA03 indicates the number of pieces. MEA04 is not used.
Change Request Pending		PD	Physical Dimensions TRADE ITEM MEASURES (UNPACKAGED DIMENSIONS) - Use with MEA02/03/04. Send multiple occurrences of the MEA, one for each dimension. Trade item dimensions that include packaging should be specified in the G55 for a consumer unit GTIN and in the G39 for higher packaging level GTINs (i.e., case, masterpack, pallet).
		TE	Temperature STORAGE HANDLING TEMPERATURE - Use with MEA04/05/06 to specify the minimum and maximum temperatures at which the trade item can be stored or transported. FLASHPOINT TEMPERATURE - Use with

832 Price/Sales Catalog – Hardlines Draft October 2003

			ME A02/03/04 to indicate the lowest temperature at which a substance gives off sufficient vapor to support combustion.
		TI	Time SHELF LIFE FACTOR - Use with ME A02/03/04 to indicate the number of days a trade item is considered saleable from the point of manufacture.
ME A02	738	Measurement Qualifier	O ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies
Change Request Pending (new code)		XX	Alternate
		COT	Content The amount of specified material contained Use for TRADE ITEM NET CONTENT
Change Request Pending		D6	Horizontal
Change Request Pending		D8	Vertical
		DI	Diameter Use for TRADE ITEM DIAMETER (UNPACKAGED).
Change Request Pending		DP	Depth Use for TRADE ITEM DEPTH/LENGTH (UNPACKAGED)
		EPL	Expected Product Life
		FP	Flashpoint Use for FLASHPOINT TEMPERATURE
Change Request Pending		HT	Height Use for TRADE ITEM HEIGHT (UNPACKAGED)
Change Request Pending		MX	Maximum STACKING WEIGHT MAXIMUM/FACTOR - Use with ME A03/04/06. ME A03 will contain the value of the maximum admissible weight that can be stacked on the trade item. ME A04 will contain the unit of measure for the weight. ME A06 will contain the maximum number of levels the trade item may be stacked. For nested items, see ME A02=NK.
Change Request Pending		NH	Number of Items Per Package Label
		N	Actual Net Weight Use for TRADE ITEM NET WEIGHT
Change Request Pending (Change note)		NK	Nesting Factor NESTING FACTOR/QUANTITY - Use with ME A03/04/06. ME A03 will indicate the incremental height added to trade items nested together. ME A04 will contain the unit of measure for the height specified. ME A06 will contain the maximum number of trade items that can be safely nested. For stackable items that do not nest, see ME A02=MX.
		SHA	Shelf Life Use for SHELF LIFE FACTOR
		TES	Storage Temperature
		VOL	Volume Use for TRADE ITEM VOLUME (UNPACKAGED)

832 Price/Sales Catalog – Hardlines Draft October 2003

Change Request Pending

WD

Width

Use for TRADE ITEM WIDTH (UNPACKAGED)

MEA03	739	Measurement Value The value of the measurement When MEA01=BD, this element must contain the value "1" to satisfy the MEA segment syntax requirement. For all other attributes, the appropriate numeric value should be applied.	O R 1/20
MEA04	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) Defines the unit of measure for MEA03, MEA05, and MEA06.	C
C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken See Section III for code list.	C ID 2/2
MEA05	740	Range Minimum The value specifying the minimum of the measurement range Use when MEA01=TE and MEA02 is not used.	O R 1/20
MEA06	741	Range Maximum The value specifying the maximum of the measurement range Use when MEA01=TE or when MEA02=FP, MX, or NK.	O R 1/20

832 Price/Sales Catalog – Hardlines Draft October 2003

MEA Segment Structure Table:

The table below indicates the correct structure for the MEA segment based upon the attribute being sent. “Value” indicates the element within the MEA segment that will contain the actual attribute value. Refer to the MEA segment detail above for attribute format requirements and lists of acceptable values, where appropriate.

Attribute	MEA01	MEA02	MEA03	MEA04	MEA05	MEA06
Trade Item Unit of Measure	BD		1	Value		
Trade Item Unit	CT		Value			
Nesting Factor/Quantity		NK	Factor Value	Factor UOM		Quantity Value
Shelf Life Factor	TI	SHA	Value	DA		
Stacking Weight Maximum/Factor		MX	Weight Max Value	Weight Max UOM		Factor Value
Storage Handling Temperature Minimum/Maximum	TE			CE or FA	Minimum Value	Maximum Value
FlashPoint Temperature	TE	FP	Value	CE or FA		
Trade Item Height (Unpackaged)	PD	HT	Value	UOM		
Trade Item Depth (Unpackaged)	PD	DP	Value	UOM		
Trade Item Width (Unpackaged)	PD	WD	Value	UOM		
Trade Item Diameter (Unpackaged)	PD	DI	Value	UOM		
Trade Item Net Weight	PD	N	Value	UOM		
Trade Item Volume (Unpackaged)	PD	VOL	Value	UOM		
Trade Item Net Content	PD	COT	Value	UOM		

Segment: **PKG** Marking, Packaging, Loading
Position: 090
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To describe marking, packaging, loading, and unloading requirements
Syntax Notes: 1 At least one of PKG04 PKG05 or PKG06 is required.
 2 If PKG04 is present, then PKG03 is required.
 3 If PKG05 is present, then PKG01 is required.
Notes: This segment is used to indicate if the trade item is marked with Electronic Article Surveillance (EAS), and where the EAS is located on the trade item.
 Do not send this segment if the trade item is not marked with EAS.

Data Element Summary

Ref.	Data Des.	Element	Name	Attributes
M	PKG01	349	Item Description Type Code indicating the format of a description	M ID 1/1
	Change Request Pending		X Semi-structured (Code and Text) S Structured (From Industry Code List)	
M	PKG02	753	Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described	M ID 2/2
		34	Product Marking	
M	PKG03	559	Agency Qualifier Code Code identifying the agency assigning the code values	M ID 2/2
			This element indicates the organization that publishes the codes used in PKG04.	
M	PKG04	754	Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product	M AN 1/7
	Change Request Pending (17 new codes)		VI Voluntary Inter-Industry Commerce Standard (VICS) EDI Part 1: Container or Equipment Type (Position 1) M Marking Part 2: Container or Packing Configuration (Position 2-3) ES Electronic Article Security (EAS) XX Composite Component A XX Composite Component B XX Composite Component C XX EAN/UCC 8 Symbol XX EAN/UCC 13 Symbol XX EAN/UCC 14 Symbol XX ITF 14 Symbol XX RSS 14 XX RSS 14 Stacked XX RSS 14 Stacked Omni-directional XX RSS 14 Truncated XX RSS Expanded XX RSS Expanded Stacked XX RSS Limited XX UPC A Symbol XX UPC E Symbol XX UPC/EAN 128 Symbol	

832 Price/Sales Catalog – Hardlines Draft October 2003

Change Request Pending
(Open for US use as well)

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

SECURITY TAG LOCATION - Code to indicate where the EAS is located on the trade item. Acceptable values:

OTI (EAS/tag on outside of trade item)

CIP (EAS/tag concealed inside package)

ITI (EAS/tag integrated inside trade item)

Segment: **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)
Position: 110
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

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

Notes: TD401 indicates HANDLING INSTRUCTIONS code, except when the value=ZZZ, which is used with TD405 to indicate the existence of a Material Safety Data Sheet for the trade item identified in the preceding LIN.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD401	152	Special Handling Code Code specifying special transportation handling instructions	O ID 2/3
		DA Dangerous	
		DNF Do Not Freeze Specifies that the temperature of a shipment must not go below the freezing point during transit	
		EL Environmental Control Limits The items contained in the shipment are subject to environmental controls whose limits are specified in the contract	
		FL Flammable	
		FR Fragile - Handle with Care	
		HM Endorsed as Hazardous Material	
		IC Ice	
		MRF Refrigerated	
		OPR Perishable	
		OSB Stow Below Deck	
		OTC Temperature Control	
		PFH Protect From Heat	
		PG Poisonous Gas	
TD402	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209)	C ID 1/1
		D Hazardous Materials ID, DOT See External Code Source 52 in Section III for reference document.	
		U United Nations See External Code Source 53 in Section III for reference document.	
TD403	209	Hazardous Material Class Code Code specifying the kind of hazard for a material HAZARD CODE - per the U.S. Department of Transportation HazMat Code list.	O AN 1/4

Change Request Pending
(Add X12 Code)

832 Price/Sales Catalog – Hardlines Draft October 2003

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:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	LDT01	345	Lead Time Code Code indicating the time range AE From date of PO receipt to shipment	M ID 2/2
M	LDT02	380	Quantity Numeric value of quantity Quantity of unit of time periods (i.e. the number of days) from receipt of purchase order to shipment.	M R 1/15
M	LDT03	344	Unit of Time Period or Interval Code indicating the time period or interval DA Calendar Days	M ID 2/2

832 Price/Sales Catalog – Hardlines Draft October 2003

Segment: **TC2** Commodity
Position: 165
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To identify a commodity or a group of commodities or a tariff page commodity
Syntax Notes:
Notes: NOTE: Due to restrictions within the 832, only two occurrences of the TC2 segment may be sent.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TC201	23	Commodity Code Qualifier	M ID 1/1
			Code identifying the commodity coding system used for Commodity Code	
			A	Harmonized Tariff Schedule of the United States Annotated Classification of imported merchandise for rate of duty and statistical purposes TRADE ITEM HARMONIZED SYSTEM IDENTIFIER
				See External Code Source 6 in Section III for reference document.
			N	National Motor Freight Classification (NMFC) TRADE ITEM FREIGHT CLASSIFICATION
				See External Code Source 11 in Section III for reference document.
			T	Standard Transportation Commodity Code (STCC) TRADE ITEM FREIGHT CLASSIFICATION
				See External Code Source 13 in Section III for reference document.
				See the following URLs for reference documents: http://www.bts.gov/ntda/cfs/com.pdf http://www.railinc.com/view.cfm?cnid=47
M	TC202	22	Commodity Code	M AN 1/30
			Code describing a commodity or group of commodities	
			When TC201=A, 10-digit Harmonized Tariff Code	
			When TC201=N, 8-digit NMFC Code	
			When TC201=T, 2-7 digit STCC Code	

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 G5505 or G5506 is present, then the other is required.
- 2 If either G5507 or G5508 is present, then the other is required.
- 3 If either G5509 or G5510 is present, then the other is required.
- 4 If either G5511 or G5512 is present, then the other is required.
- 5 If either G5514 or G5515 is present, then the other is required.
- 6 If any of G5523 G5524 or G5525 is present, then all are required.

Notes:

This segment should be used to provide physical characteristics relative to a consumer selling unit (aka Sell Pack).

The GTIN specified in G5501/02 must match the GTIN specified in the preceding LIN segment.

The dimensions of the consumer unit may be specified by using G5505 through G5510.

G5506, G5508 and G5510 must be in the same unit or basis for measurement code.

G5514 and G5515 should be used only if different from G3918 and G3919.

This segment may be used to specify the weight of the consumer unit by using G5523, G5524, and G5525. The volume (cube) of the consumer unit may be specified by using G5511 and G5512.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	G5501	235 Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		GLOBAL TRADE ITEM NUMBER QUALIFIER	
		EN European Article Number (EAN) (2-5-5-1)	
		EO EAN/UCC-8	
		Data Structure for the 8-digit EAN.UCC Global Trade Item Number (GTIN).	
		Added to X12 in v4030; added to VICS in v4040	
		UP U.P.C. Consumer Package Code (1-5-5-1)	
M	G5502	234 Product/Service ID	M AN 1/48
		Identifying number for a product or service	
		GLOBAL TRADE ITEM NUMBER - Must be the same as GTIN specified in the preceding LIN segment.	
		Note that GTIN is an umbrella term used to describe the entire family of EAN/UCC data structures for trade item: UCC-12 (12-digit U.P.C.), EAN/UCC-8, EAN/UCC-13, and EAN/UCC-14.	
	G5505	65 Height	O R 1/8
		Vertical dimension of an object measured when the object is in the upright position	
		TRADE ITEM HEIGHT (PACKAGED)	
	G5506	355 Unit or Basis for Measurement Code	C ID 2/2
		Code specifying the units in which a value is being expressed, or manner in	

832 Price/Sales Catalog – Hardlines Draft October 2003

		which a measurement has been taken		
		See Section III of the VICS Retail Industry Conventions and Implementation Guidelines for EDI for code list.		
G5507	189	Width	O R 1/8	
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
		TRADE ITEM WIDTH (PACKAGED)		
G5508	355	Unit or Basis for Measurement Code	C ID 2/2	
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		See Section III of the VICS Retail Industry Conventions and Implementation Guidelines for EDI for code list.		
G5509	82	Length	O R 1/8	
		Largest horizontal dimension of an object measured when the object is in the upright position		
		TRADE ITEM DEPTH (PACKAGED)		
G5510	355	Unit or Basis for Measurement Code	C ID 2/2	
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		See Section III of the VICS Retail Industry Conventions and Implementation Guidelines for EDI for code list.		
G5511	183	Volume	O R 1/8	
		Value of volumetric measure		
		TRADE ITEM VOLUME (PACAKGED)		
G5512	355	Unit or Basis for Measurement Code	C ID 2/2	
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		See Section III of the VICS Retail Industry Conventions and Implementation Guidelines for EDI for code list.		
G5513	356	Pack	O N0 1/6	
		The number of inner containers, or number of eaches if there are no inner containers, per outer container		
G5514	357	Size	O R 1/8	
		Size of supplier units in pack		
		TRADE ITEM NET CONTENT		
G5515	355	Unit or Basis for Measurement Code	C ID 2/2	
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		See Section III of the VICS Retail Industry Conventions and Implementation Guidelines for EDI for code list.		
G5523	395	Unit Weight	O R 1/8	
		Numeric value of weight per unit		
		TRADE ITEM GROSS WEIGHT		
G5524	187	Weight Qualifier	C ID 1/2	
		Code defining the type of weight		
		G Gross Weight		
G5525	188	Weight Unit Code	C ID 1/1	
		Code specifying the weight unit		
		G Grams		
		K Kilograms		
		L Pounds		
		O Ounces		
G5526	395	Unit Weight	C R 1/8	
		Numeric value of weight per unit.		
G5527	187	Weight Qualifier	C ID 1/2	
		Code defining the type of weight		
		N Actual Net Weight		
G5528	188	Weight Unit Code	C ID 1/1	
		Code specifying the weight unit		

832 Price/Sales Catalog – Hardlines Draft October 2003

		G	Grams	
		K	Kilograms	
		L	Pounds	
		O	Ounces	
G5529	235	Product/Service ID Qualifier		C ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		OC	Old GTIN Consumer Package Code	
G5530	234	Product/Service ID		C AN 1/48
		Identifying number for a product or service		
		This should be the same U.P.C./EAN code format as the code value in G5501.		
G5533	103	Packaging Code		O AN 3/5 (5)
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required		
		Part 1		
		BAG	Bag	
		BAL	Bale	
		BBL	Barrel	
		BDL	Bundle	
		BLK	Bulk	
		BOT	Bottle	
		BOX	Box	
			Box or carton	
		CAN	Can	
		CAS	Case	
		CHE	Cheeses	
		COL	Coil	
		CYL	Cylinder	
		CRT	Crate	
		DRM	Drum	
		EGG	Egg Crating	
		JAR	Jar	
		KEG	Keg	
		LNR	Liners	
		LSE	Loose	
		PAL	Pail	
		PKG	Package	
			Package, card, or blister card	
		PLT	Pallet	
		PWT	Plastic Wrapped Tray	
		REL	Reel	
		ROL	Roll	
		SPL	Spool	
		SRW	Shrink Wrap	
		STW	Stretch Wrap	
		TBE	Tube	
		TBN	Tote Bin	
		TNK	Tank	
		TRY	Tray	
		TUB	Tub	
		WLC	Wheeled Carrier	
		WRP	Wrapped	
		Part 2		
		25	Corrugated or Solid	
			Corrugated or solid packaging does not require repackaging for shipment	
		31	Fiber	
			Fiber packaging usually requires repackaging for shipment	

832 Price/Sales Catalog – Hardlines Draft October 2003

43	Glass
58	Metal
64	Molded Plastic
72	Paper – VCI
75	Plastic – Vacuum formed
76	Paper
77	Plastic – Structural Foam
78	Plastic – Injection Molded
79	Plastic
86	Foam
94	Wood

832 Price/Sales Catalog – Hardlines Draft October 2003

Segment: **CTP Pricing Information**
Position: 170
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pricing information
Syntax Notes:

Notes: A price may be communicated in multiple currencies by repeating the CTP loop, including the price value in the CTP03 and the corresponding currency in the CUR segment of this loop.
 Use the DTM segment in this loop to specify effective start and effective end dates for the price in the CTP03.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	CTP02	236 Price Identifier Code	M ID 3/3
		Code identifying pricing specification	
		INV Invoice Billing Price	INVOICE COST - Price seller will charge buyer before all allowances and charges (Price BAC).
		MNC Minimum Charge	MINIMUM ADVERTISED PRICE - The minimum retail selling price for the trade item set by the seller.
		MSR Manufacturer's Suggested Retail	The seller's recommended selling price to the end consumer.
		NET Net Item Price	NET COST - Invoice cost from the seller to the buyer after all allowances and charges (Price AAC).
		PRP Promotional price	SPECIAL BUY COST - Price of an item for a promotional period or special event.
		RTL Retail	
			PRE-PRICED AMOUNT - Indicates the monetary amount physically on or attached to the trade item.
M	CTP03	212 Unit Price	M R 1/17
		Price per unit of product, service, commodity, etc.	
			The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".

Change Request Pending
 (Add Note ONLY)

Segment: **DTM** Date/Time Reference
Position: 180
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM05 is required.
Notes: Codes 196 and 197 specify the applicable dates for the prices specified in the preceding CTP segment, e.g., effective start date or effective end date.

If dates were specified in the DTM segment at the Header Level, then the dates in this DTM segment within the CTP loop will override the Header Level values.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
			196 Start PRICE EFFECTIVE START DATE	
			197 End PRICE EFFECTIVE END DATE	
M	DTM02	373	Date Date expressed as CCYYMMDD	M DT 8/8

832 Price/Sales Catalog – Hardlines Draft October 2003

Segment: **CUR** Currency
Position: 200
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:
Notes: This segment is Mandatory if the CTP loop is sent.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M ID 2/3
			SE Selling Party	
M	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified Acceptable values taken from the ISO 4217 3-character Currency Code list.	M ID 3/3

832 Price/Sales Catalog – Hardlines Draft October 2003

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 228
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:
1 At least one of SAC02 or SAC03 is required.
2 If either SAC06 or SAC07 is present, then the other is required.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	SAC01	248 Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified A Allowance	M ID 1/1
M	SAC02	1300 Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge See Section III for code list. D240 Freight E740 New Store Allowance I570 Warehouse	M ID 4/4
	SAC06	378 Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated 1 Item List Cost INVOICE COST (Price Before Allowances And Charges) 2 Item Net Cost NET COST (Price After Allowances And Charges)	X ID 1/1
	SAC07	332 Percent Percent expressed as a percent This is the allowance per trade item unit. The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".	X R 1/6
	SAC08	118 Rate Rate expressed in the standard monetary denomination for the currency specified This is the allowance rate per trade item unit.	O R 1/9

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.
Notes: This segment may be used to identify the vendor’s country of origin for the items and the shipping point(s) for the items.
 Values in the N1 loop at the Detail Level override values provided at the Header Level.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
Change Request Pending		ACV	Information Source
Change Request Pending (new code)		XX	Brand Owner
Change Request Pending		9C	Country of Destination
			TARGET MARKET - Use with N103/04 and the N4 segment to specify the Target Country, State (Subdivision in v4020 and above), and County or Parish for which trade item data is directed, as determined by the seller. The information may be intended for one or more countries, subdivisions, or counties. Repeat the N1 loop as needed to specify additional occurrences.
			N103=38 N104=ISO 3166-1 2-character Country Code N402=State (N407=Subdivision in v4020 and above; ISO 3166-2) N405=CO N406=County/Parish Name or Code
Change Request Pending		CT	Country of Origin
			COUNTRY OF ORIGIN - Use with N103/04 to specify the country code in which the goods have been produced or manufactured, according to criteria established for the purposes of application of the customs tariff, of quantitative restrictions, or of any other measure related to trade.
			N103=38 N104=ISO 3166-1 2-character Country Code
Change Request Pending (temporary code until Brand Owner published)		HA	Owner
		MF	Manufacturer of Goods
			MANUFACTURER OF TRADE ITEM - Use with N103/04 to specify Manufacturer Identification Type and Manufacturer ID.
		SE	Selling Party

832 Price/Sales Catalog – Hardlines Draft October 2003

				SELLER - Manufacturer or supplier of the trade items identified in this transaction set.
				Use with N103/04 to specify Seller Identification Type and Seller ID.
			SF	Ship From SHIP FROM - Use with N103/04 to specify Ship From Location Identification Type and Ship From Location ID.
O	N102	93	Name	C AN 1/60
			Free-form name	
M	N103	66	Identification Code Qualifier	M ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1	D-U-N-S Number, Dun & Bradstreet ALTERNATE PARTY IDENTIFICATION TYPE Use with N104 when N101= 13, BY, MF, SF, or VN.
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix ALTERNATE PARTY IDENTIFICATION TYPE Use with N104 when N101= 13, BY, MF, SF, or VN.
			38	Country Code Use with N104 when N101= 9C or CT. See External Code Source 5 in Section III for reference document.
			91	Assigned by Seller or Seller's Agent ALTERNATE PARTY IDENTIFICATION TYPE Use with N104 when N101= 13, BY, MF, SF, or VN.
			92	Assigned by Buyer or Buyer's Agent ALTERNATE PARTY IDENTIFICATION TYPE Use with N104 when N101= 13, BY, MF, SF, or VN.
			UL	Global Location Number (GLN) See External Code Source 583 in Section III for reference document. A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system GLOBAL LOCATION NUMBER (GLN) When N101=MF, use with N104 to specify the GLN of the party who is the issuer of the Trade Item or GTIN, usually the party who produces the finished goods trade item. When N101=SE, use with N104 to specify the GLN of the party that distributes or sells the Trade Item or GTIN. The supplier may be the manufacturer.
M	N104	67	Identification Code	M AN 2/80
			Code identifying a party or other code	
				When N101 = MF, SE, or SF, this will be the GLN or Alternate Party ID for the Party specified. When N101=9C or CT, this will be the ISO 3166-1 2-character Country Code.

832 Price/Sales Catalog – Hardlines Draft October 2003

Segment: **N4 Geographic Location**
Position: 260
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Notes: Use when N101=9C.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency Only used for North American State or Province abbreviations. See External Code Source 22 in Section III for reference document.	O ID 2/2
N405	309	Location Qualifier Code identifying type of location CO County/Parish and State	X ID 1/2
N406	310	Location Identifier Code which identifies a specific location Please refer to the following URLs for a standardized County Code list: http://www.ntis.gov/search/product.asp?ABBR=FIPSPUB6-4&starDB=GRAHIST http://www.itl.nist.gov/fipspubs/fip6-4.htm	O AN 1/30
Change Request Pending	N407	1715 Country Subdivision Code Code identifying the country subdivision NOT USED BY THE RETAIL INDUSTRY	C ID 1/3

Segment: **G39** Item Characteristics - Vendor's Selling Unit
Position: 283
Loop: G39 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a vendor's selling unit or to provide physical characteristics relative to a vendor's selling unit

- Syntax Notes:**
- 1 At least one of G3901 or G3902 is required.
 - 2 If either G3902 or G3903 is present, then the other is required.
 - 3 If any of G3905 G3906 or G3907 is present, then all are required.
 - 4 If either G3906 or G3907 is present, then the other is required.
 - 5 If either G3908 or G3909 is present, then the other is required.
 - 6 If either G3910 or G3911 is present, then the other is required.
 - 7 If either G3912 or G3913 is present, then the other is required.
 - 8 If either G3914 or G3915 is present, then the other is required.
 - 9 If either G3918 or G3919 is present, then the other is required.

Notes: This segment should be used to identify a vendor's selling unit, i.e., U.P.C. Case Code or U.P.C./EAN Shipping Container Code (SCC-14) (aka Buy Pack)

The GTIN specified in G3902/03 must match the GTIN specified in the preceding LIN segment.

This segment may be used to specify the weight of the vendor selling unit by using G3905, G3906, and G3907. The volume (cube) of the vendor selling unit may be specified by using G3914 and G3915.

The dimensions of the vendor selling unit may be specified by using G3908 through G3913.

G3909, G3911 and G3913 must be in the same unit or basis for measurement code.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
M	G3902	235 Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		GLOBAL TRADE ITEM NUMBER QUALIFIER	
		EN European Article Number (EAN) (2-5-5-1)	
		EO EAN/UCC-8	
			Data Structure for the 8-digit EAN.UCC Global Trade Item Number (GTIN).
		UK	Added to X12 in v4030; added to VICS in v4040 U.P.C./EAN Shipping Container Code (1-2-5-5-1) A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit
		UP	U.P.C. Consumer Package Code (1-5-5-1)
M	G3903	234 Product/Service ID	M AN 1/48
		Identifying number for a product or service	

832 Price/Sales Catalog – Hardlines Draft October 2003

GLOBAL TRADE ITEM NUMBER - Must be the same as GTIN specified in preceding LIN segment.

Note that GTIN is an umbrella term used to describe the entire family of EAN/UCC data structures for trade item: UCC-12 (12-digit U.P.C.), EAN/UCC-8, EAN/UCC-13, and EAN/UCC-14.

G3905	395	Unit Weight	O R 1/8
		Numeric value of weight per unit	
		TRADE ITEM GROSS WEIGHT	
G3906	187	Weight Qualifier	C ID 1/2
		Code defining the type of weight	
		G Gross Weight	
G3907	188	Weight Unit Code	C ID 1/1
		Code specifying the weight unit	
		G Grams	
		K Kilograms	
		L Pounds	
		O Ounces	
G3908	65	Height	O R 1/8
		Vertical dimension of an object measured when the object is in the upright position	
		TRADE ITEM HEIGHT (PACKAGED)	
G3909	355	Unit or Basis for Measurement Code	C ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		See Section III of the VICS Retail Industry Conventions and Implementation Guidelines for EDI for code list.	
G3910	189	Width	O R 1/8
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
		TRADE ITEM WIDTH (PACKAGED)	
G3911	355	Unit or Basis for Measurement Code	C ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		See Section III of the VICS Retail Industry Conventions and Implementation Guidelines for EDI for code list.	
G3912	82	Length	O R 1/8
		Largest horizontal dimension of an object measured when the object is in the upright position	
		TRADE ITEM DEPTH (PACKAGED)	
G3913	355	Unit or Basis for Measurement Code	C ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		See Section III of the VICS Retail Industry Conventions and Implementation Guidelines for EDI for code list.	
G3914	183	Volume	O R 1/8
		Value of volumetric measure	
		TRADE ITEM VOLUME (PACKAGED)	
G3915	355	Unit or Basis for Measurement Code	C ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		See Section III of the VICS Retail Industry Conventions and Implementation Guidelines for EDI for code list.	
G3916	416	Pallet Block and Tiers	O N0 6/6
		Code indicating pallet and load structure; first three digits indicate the number of cases per layer, last three digits indicate the number of layers per pallet	
		The 2-part code is concatenated. Both parts are required.	
		NUMBER OF TRADE ITEMS PER PALLET LAYER (Part 1, digits 1-3)	
		NUMBER OF LAYERS PER PALLET (Part 2, digits 4-6)	

832 Price/Sales Catalog – Hardlines Draft October 2003

G3917	356	Pack	O NO 1/6
		The number of inner containers, or number of eaches if there are no inner containers, per outer container	
		U.P.C. CATALOG: MANUFACTURER PACK - The number of items in a manufacturer's package.	
G3918	357	Size	O R 1/8
		Size of supplier units in pack	
		TRADE ITEM NET CONTENT	
G3919	355	Unit or Basis for Measurement Code	C ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		See Section III of the VICS Retail Industry Conventions and Implementation Guidelines for EDI for code list.	
G3923	235	Product/Service ID Qualifier	C ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		EN	European Article Number (EAN)
		EO	EAN-8 Code
		UE	U.P.C./EAN Module Code (2-5-5)
		UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
		UP	U.P.C. Consumer Package Code (1-5-5-1).
G3924	234	Product/Service ID	C AN 1/48
		Identifying number for a product or service.	
G3927	810	Inner Pack	O NO 1/6
		The number of eaches per inner container.	
G3928	103	Packaging Code	O AN 3/5
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required	

Part 1

BAG	Bag
BAL	Bale
BBL	Barrel
BDL	Bundle
BLK	Bulk
BOT	Bottle
BOX	Box
	Box or carton
CAN	Can
CAS	Case
CHE	Cheeses
COL	Coil
CYL	Cylinder
CRT	Crate
DRM	Drum
EGG	Egg Crating
JAR	Jar
KEG	Keg
LNR	Linens
LSE	Loose
PAL	Pail
PKG	Package
	Package, card, or blister card
PLT	Pallet
PWT	Plastic Wrapped Tray
REL	Reel
ROL	Roll
SPL	Spool
SRW	Shrink Wrap
STW	Stretch Wrap

832 Price/Sales Catalog – Hardlines Draft October 2003

	TBE	Tube
	TBN	Tote Bin
	TNK	Tank
	TRY	Tray
	TUB	Tub
	WLC	Wheeled Carrier
	WRP	Wrapped
Part 2		
	25	Corrugated or Solid Corrugated or solid packaging does not require repackaging for shipment
	31	Fiber Fiber packaging usually requires repackaging for shipment
	43	Glass
	58	Metal
	64	Molded Plastic
	72	Paper – VCI
	75	Plastic – Vacuum formed
	76	Paper
	77	Plastic – Structural Foam
	78	Plastic – Injection Molded
	79	Plastic
	86	Foam
	94	Wood

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 either SLN09 or SLN10 is present, then the other is required.
Notes: TRADE ITEM CONTAINMENT (LINK/UNLINK) - The SLN segment is used to identify trade item containment relationships. The container is identified in the LIN segment. To specify the contents of the packaging container (the next lowest container or packaging level), use the SLN segment where SLN03=I. SLN04/05 will identify the quantity and unit of measure of the GTIN found in the container, and SLN09/10 will identify the contained GTIN.
 When changing the contents of a packaging container, use code 'D' or code 'I' in SLN03 to either remove an existing GTIN from or include a new GTIN in the packaging container.
 The SLN segment cannot be used to add new trade items. Any GTINs that are to be included in a packaging container must have already been identified, either in a previous LIN or a previous transaction.
 REPLACED ITEM IDENTIFICATION - When the trade item in the LIN is a replacement for an existing trade item, use code 'S' in the SLN03 and identify the replaced GTIN in the SLN09/10.

Data Element Summary

Ref.	Data Des.	Element	Name	Attributes
M	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	M AN 1/20
M	SLN03	662	Relationship Code Code indicating the relationship between entities	M ID 1/1
			D Delete Use when reducing the amount or removing a GTIN from a container (UNLINK). The GTIN is specified in SLN09/10 and the quantity to be removed is indicated in SLN04/05. Deleting a GTIN from a packaging container does not delete the trade item, it simply severs the trade item containment relationship.	
			I Included Use when building or changing the components of a packaging container (LINK). The contained GTIN is specified in SLN09/10 and the quantity to be contained is indicated in SLN04/05.	
			S Substituted REPLACED ITEM IDENTIFICATION - SLN09/10 will identify the trade item that is being replaced by the trade item specified in the LIN. Only one replaced trade item may be specified.	
	SLN04	380	Quantity Numeric value of quantity The quantity of the trade item (GTIN) identified in SLN09/10 that is contained in or removed from the packaging container identified in the LIN segment.	O R 1/15

832 Price/Sales Catalog – Hardlines Draft October 2003

SLN05	C001	Composite Unit of Measure	C
		To identify a composite unit of measure (See Figures Appendix for examples of use)	
C00101	355	Unit or Basis for Measurement Code	C ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		NOTE: Need to determine/research which codes should be supported for dimensional values.	
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)	
		GLOBAL TRADE ITEM NUMBER QUALIFIER	
		EN European Article Number (EAN) (2-5-5-1)	
		EO EAN-8 Code	
		UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)	
		A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit	
		UP U.P.C. Consumer Package Code (1-5-5-1)	
SLN10	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
		GLOBAL TRADE ITEM NUMBER	

832 Price/Sales Catalog – Hardlines Draft October 2003

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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
			The number of LIN segments present in the transaction set	

832 Price/Sales Catalog – Hardlines Draft October 2003

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:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set This must be the same number as is in the ST segment (ST02) for the transaction set.	M AN 4/9