

Scan Based Trading (SBT) Program, 832 Product Catalog

ANSI X12-4010

Supplier Implementation Guide

Document Version 1.0

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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		
	070	DTM	Date/Time Reference	O	10		

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		
	015	G53	Maintenance Type	O	1		n1
	040	REF	Reference Identification	O	>1		
	040	REF	Reference Identification	O	>1		
	040	REF	Reference Identification	O	>1		
	070	PID	Product/Item Description	O	200		
	168	G55	Item Characteristics - Consumer Unit	O	1		
			LOOP ID - N9			>1	
	490	N9	Reference Identification	O	1		

Summary:

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

Transaction Set Notes

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

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

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	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				
	Ref. Des.	Data Element	Name	Attributes
M	BCT01	683	Catalog Purpose Code	M ID 2/2
			Code indicating purpose of catalog	
			PC = Price Catalog	
	BCT02	684	Catalog Number	O AN 1/15
			Identifying number for catalog or superseded catalog	
			CVS Direct Store Delivery (DSD) Vendor Number. Also referred to as 'Corp 2' Vendor Number (Example: 2A123).	
	BCT09	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
			Vendor Name	
	BCT10	353	Transaction Set Purpose Code	O ID 2/2
			Code identifying purpose of transaction set	
			00 = Original	

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				
	Ref. Des.	Data Element	Name	Attributes
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			007 = Effective Date	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
			Effective Date	
	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
			ES = Eastern Standard Time	

Segment:	LIN Item Identification
Position:	010
Loop:	LIN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify basic item identification data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either LIN04 or LIN05 is present, then the other is required. 2 If either LIN06 or LIN07 is present, then the other is required. 3 If either LIN08 or LIN09 is present, then the other is required. 4 If either LIN10 or LIN11 is present, then the other is required. 5 If either LIN12 or LIN13 is present, then the other is required. 6 If either LIN14 or LIN15 is present, then the other is required. 7 If either LIN16 or LIN17 is present, then the other is required. 8 If either LIN18 or LIN19 is present, then the other is required. 9 If either LIN20 or LIN21 is present, then the other is required. 10 If either LIN22 or LIN23 is present, then the other is required. 11 If either LIN24 or LIN25 is present, then the other is required. 12 If either LIN26 or LIN27 is present, then the other is required. 13 If either LIN28 or LIN29 is present, then the other is required. 14 If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:	1 LIN01 is the line item identification
Comments:	<ol style="list-style-type: none"> 1 See the Data Dictionary for a complete list of IDs. 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary				
Ref.	Data			
Des.	Element	Name	Attributes	
LIN01	350	Assigned Identification	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		2		
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)		
		VN = Vendor's/Seller's Item Number		
M	LIN03	234 Product/Service ID	M	AN 1/48
		Identifying number for a product or service		
		Vendor's/Seller's Item Number		
	LIN04	235 Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ZZ = Mutually Defined		
	LIN05	234 Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		CVS Buyer Code		

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

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</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	
			Maintenance Type Code:	
			001 = Change	
			002 = Delete	
			003 = Add Full Item Detail	
			004 = Withdraw Item (Temporary)	

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	
			CODE VALUE	
			S1 Retailer's Major Category Number	
	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Retailer's Category Code, aligned to qualifiers in REF01: Major Category	
	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			Major Category description, free-form.	

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	
			CODE VALUE	
			S3 Retailer's Sub-Category Number	
	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Retailer's Category Code, aligned to qualifiers in REF01: Sub-Category	
	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			Sub-Category description, free-form	

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 Code qualifying the Reference Identification	M ID 2/3
			CODE VALUE S6 Retailer's Minor Segment	
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Retailer's Category Code, aligned to qualifiers in REF01: Minor Segment	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content Minor Segment description, free-form.	X AN 1/80

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:	<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	
Des.	Element			
M	PID01	349 Item Description Type	M	ID 1/1
		Code indicating the format of a description		
		F = Free Form		
	PID05	352 Description	X	AN 1/80
		A free-form description to clarify the related data elements and their content		
		Item description of the product.		

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				
	Ref.	Data		
	Des.	Element	Name	Attributes
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)	
			VN = Vendor's/Seller's Item Number	
M	G5502	234	Product/Service ID	M AN 1/48
			Identifying number for a product or service	
			Vendor's/Seller's Item Number	
	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	
			Pack = 1	
	G5514	357	Size	X R 1/8
			Size of supplier units in pack	
			Size = 1	
	G5515	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	
			UOM = EA	

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

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

Semantic Notes:

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

Comments:

Data Element Summary				
Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	N901	128 Reference Identification Qualifier	M	ID 2/3
		Code qualifying the Reference Identification		
		UI = UPC. Consumer Package Code (1-5-5)		
		UD = UPC/EAN Consumer Package Code (2-5-5)		
	N902	127 Reference Identification	X	AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
		If N9 01 = UI, then UPC. Consumer Package Code (1-5-5)		
		If N9 01 = UD, then UPC/EAN Consumer Package Code (2-5-5)		
	N903	369 Free-form Description	X	AN 1/45
		Free-form descriptive text		
		Vendor's/Seller's Item Number		

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

Ref.	Data Element	Name	Attributes
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

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

Example:

ISA*00* *00* *01*SENDERID *ZZ*RECEIVERID
*220909*0745*U*00401*000001037*0*P*^~

GS*SC* SENDERID* RECEIVERID*20220909*0745*1037*X*004010~
ST*832*0001~

BCT*PC*2A123*****VG TRADING PARTNER*00~

DTM*007*20221022*03000523*ES~

LIN*2*VN*350414*ZZ*D~

G53*003~

REF*S1*093*COOL PRODUCTS~

REF*S3*010*ENDCAP~

REF*S6*006*MID-TIER -NR~

PID*F****IM 23 301 SMK MCV~

G55*VN*350414*****1*1*EA~

N9*UI*19303358352*350414~

LIN*2*VN*472093*ZZ*D~

G53*003~

REF*S1*093*COOL PRODUCTS~

REF*S3*010*ENDCAP~

REF*S6*006*MID-TIER -NR~

PID*F****VG 43794VGC002 MCV~

G55*VN*472093*****1*1*EA~

N9*UI*19303358368*472093~

CTT*55*55~

SE*53*0001~

GE*1*1037~

IEA*1*000001037~