



Introduction:

This X12 Transaction Set 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	0050	ISA	Interchange Control Header	M	1		
M	0075	GS	Functional Group Header	M	1		
M	0100	ST	Transaction Set Header	M	1		
M	0200	BCT	Beginning Segment for Price/Sales Catalog	M	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	
M	0100	LIN	Item Identification	M	1		
			LOOP ID - SLN			>1	
M	3500	SLN	Subline Item Detail	M	1		
M	4100	PO4	Item Physical Details	M	>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>
M	0100	CTT	Transaction Totals	M	1		n1
M	0200	SE	Transaction Set Trailer	M	1		
M	0300	GE	Functional Group Trailer	M	1		
M	0400	IEA	Interchange Control Trailer	M	1		

Transaction Set Notes

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

Segment: **ISA** Interchange Control Header
Position: 0050
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ISA01	I01	Authorization Information Qualifier Code identifying the type of information in the Authorization Information Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	ISA02	I02	Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M 1 AN 10/10
M	ISA03	I03	Security Information Qualifier Code identifying the type of information in the Security Information Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	ISA04	I04	Security Information This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M 1 AN 10/10
M	ISA05	I05	Interchange ID Qualifier Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	ISA06	I06	Interchange Sender ID Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M 1 AN 15/15
M	ISA07	I05	Interchange ID Qualifier Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	ISA08	I07	Interchange Receiver ID Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M 1 AN 15/15
M	ISA09	I08	Interchange Date Date of the interchange	M 1 DT 6/6
M	ISA10	I09	Interchange Time Time of the interchange	M 1 TM 4/4
M	ISA11	I65	Repetition Separator Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator As of ASC X12, version 004030, a repetition separator is required in ISA11.	M 1 AN 1/1

The repetition separator must be non-alphabetic, non-numeric, and not located within data.

M	ISA12	I11	Interchange Control Version Number Code specifying the version number of the interchange control segments 00501 Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003	M	1	ID 5/5
M	ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M	1	NO 9/9
M	ISA14	I13	Acknowledgment Requested Code indicating sender's request for an interchange acknowledgment Refer to 005010 Data Element Dictionary for acceptable code values.	M	1	ID 1/1
M	ISA15	I14	Interchange Usage Indicator Code indicating whether data enclosed by this interchange envelope is test, production or information Refer to 005010 Data Element Dictionary for acceptable code values.	M	1	ID 1/1
M	ISA16	I15	Component Element Separator Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M	1	AN 1/1

Segment: **GS** Functional Group Header
Position: 0075
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Syntax Notes:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	GS01	479	Functional Identifier Code Code identifying a group of application related transaction sets SC Price/Sales Catalog (832)	M 1 ID 2/2
M	GS02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners	M 1 AN 2/15
M	GS03	124	Application Receiver's Code Code identifying party receiving transmission; codes agreed to by trading partners	M 1 AN 2/15
M	GS04	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M 1 DT 8/8
M	GS05	337	Time 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)	M 1 TM 4/8
M	GS06	28	Group Control Number Assigned number originated and maintained by the sender	M 1 NO 1/9
M	GS07	455	Responsible Agency Code	M 1 ID 1/2

- 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.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	LIN02	235 Product/Service ID Qualifier	M 1 ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		EN EAN/UCC - 13	
		Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)	
		ND National Drug Code (NDC)	
		UA U.P.C./EAN Case Code (2-5-5)	
		UI U.P.C. Consumer Package Code (1-5-5)	
		UK GTIN 14-digit Data Structure	
		Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)	
		UP UCC - 12	
		Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)	
		VN Vendor's (Seller's) Item Number	
M	LIN03	234 Product/Service ID	M 1 AN 1/48
		Identifying number for a product or service	

Segment: **SLN** Subline Item Detail

Position: 3500
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
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.

Notes:

Notes on Unit of Measure
 CA Converts to Cases
 CS Converts to Cases
 BX Converts to Cases
 CT Converts to Cases
 DZ Converts to Dozens
 EA Converts to Inner-Packs
 PC Converts to Pieces

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	M 1 AN 1/20
M	SLN03	662	Relationship Code Code indicating the relationship between entities I Included	M 1 ID 1/1
M	SLN04	380	Quantity Numeric value of quantity	M 1 R 1/15
M	SLN05	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	M 1
M	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 BX Box CA Case CS Cassette CT Carton DZ Dozen EA Each PC Piece	M ID 2/2
M	SLN06	212	Unit Price Price per unit of product, service, commodity, etc.	M 1 R 1/17
M	SLN08	662	Relationship Code Code indicating the relationship between entities I Included	M 1 ID 1/1

Segment: PO4 Item Physical Details

Position: 4100
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

- Syntax Notes:**
- 1 If either PO402 or PO403 is present, then the other is required.
 - 2 If PO405 is present, then PO406 is required.
 - 3 If either PO406 or PO407 is present, then the other is required.
 - 4 If either PO408 or PO409 is present, then the other is required.

- 5 If PO410 is present, then PO413 is required.
- 6 If PO411 is present, then PO413 is required.
- 7 If PO412 is present, then PO413 is required.
- 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
- 9 If PO417 is present, then PO416 is required.
- 10 If PO418 is present, then PO404 is required.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	PO401	356 Pack	M 1 NO 1/6
The number of inner containers, or number of eaches if there are no inner containers, per outer container			
Number of Inner Containers			

Segment: **CTT** Transaction Totals
Position: 0100
Loop:
Level: Summary
Usage: Mandatory
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

Ref.	Data Element	Name	Attributes
M	CTT01	354 Number of Line Items	M 1 NO 1/6
Total number of line items in the transaction set			

Segment: **SE** Transaction Set Trailer
Position: 0200
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

Ref.	Data Element	Name	Attributes
M	SE01	96 Number of Included Segments	M 1 NO 1/10
Total number of segments included in a transaction set including ST and SE segments			
M	SE02	329 Transaction Set Control Number	M 1 AN 4/9
Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

Segment: **GE** Functional Group Trailer
Position: 0300
Loop:

Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information
Syntax Notes:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	GE01	97	Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M 1 N0 1/6
M	GE02	28	Group Control Number Assigned number originated and maintained by the sender	M 1 N0 1/9

Segment: **IEA** Interchange Control Trailer
Position: 0400
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange	M 1 N0 1/5
M	IEA02	I12	Interchange Control Number A control number assigned by the interchange sender	M 1 N0 9/9

Sample 832 Data

ISA*00* *00* *01*1076260120118 *01*014578892
*090817*143
3*<*00501*000008202*0*P*>~
GS*SC*32368380118*014578892*20090817*1433*2337*X*005010~
ST*832*000003913~
BCT*PC*38006~
LIN**UI*30005417719~
SLN*1**I*376*CA*73.92**I~
PO4*12~
LIN**UI*30005423918~
SLN*1**I*112*CA*96.72**I~
PO4*24~
LIN**UI*30005423930~
SLN*1**I*15*CA*102.84**I~
PO4*12~
LIN**UI*30005432920~
SLN*1**I*105*CA*155.28**I~
PO4*12~
LIN**UI*30005550919~
SLN*1**I*22*CA*176.4**I~
PO4*36~
LIN**UI*30005555619~
SLN*1**I*82*CA*189.36**I~
PO4*36~
LIN**UI*30031223413~
SLN*1**I*226*CA*93.6**I~
PO4*24~
LIN**UI*30031861614~
SLN*1**I*141*CA*88.08**I~
PO4*24~
LIN**UI*30031862413~
SLN*1**I*266*CA*82.32**I~
PO4*24~
CTT*9~
SE*1*000003913~
GE*1*2337~
IEA*1*000008202~