Scan Based Trading (SBT) Program, 832 Product Catalog

ANSI X12-4010  
Supplier Implementation Guide  
Document Version 1.0

November 2022

**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:**

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max.Use Repeat Comments**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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:**

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max.Use Repeat Comments**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | 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:**

**Pos. Seg. Req. Loop Notes and**

**No. ID Name Des. Max.Use Repeat Comments**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 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**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **M** | **ST01** | **143** | **Transaction Set Identifier Code** | **M** |  | **ID 3/3** | |
|  | | | Code uniquely identifying a Transaction Set | | | |
| **M** | **ST02** | **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 | | | |

**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. Data**

**Des. 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. Data**

**Des. 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:** **1** If either LIN04 or LIN05 is present, then the other is required.

**2** If either LIN06 or LIN07 is present, then the other is required.

**3** If either LIN08 or LIN09 is present, then the other is required.

**4** If either LIN10 or LIN11 is present, then the other is required.

**5** If either LIN12 or LIN13 is present, then the other is required.

**6** If either LIN14 or LIN15 is present, then the other is required.

**7** If either LIN16 or LIN17 is present, then the other is required.

**8** If either LIN18 or LIN19 is present, then the other is required.

**9** If either LIN20 or LIN21 is present, then the other is required.

**10** If either LIN22 or LIN23 is present, then the other is required.

**11** If either LIN24 or LIN25 is present, then the other is required.

**12** If either LIN26 or LIN27 is present, then the other is required.

**13** If either LIN28 or LIN29 is present, then the other is required.

**14** If either LIN30 or LIN31 is present, then the other is required.

**Semantic Notes:** **1** LIN01 is the line item identification

**Comments:** **1** See the Data Dictionary for a complete list of IDs.

**2** LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Data Element Summary**

**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**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **M** | **REF01** | **128** | **Reference Identification Qualifier** | **M** |  | **ID 2/3** | |
|  | | | Code qualifying the Reference Identification | | | |
|  | | | CODE VALUE  S6 Retailer's Minor Segment | | | |
|  | **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: Minor Segment | | | |
|  | **REF03** | **352** | **Description** | **X** |  | **AN 1/80** | |
|  | | | A free-form description to clarify the related data elements and their content | | | |
|  | | | Minor Segment description, free-form. | | | |

**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 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:** **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:** **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**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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**

**Des. 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**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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~