832 Price/Sales Catalog

Version: X12-4010

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832   Price/Sales Catalog

Functional Group=SC

Purpose: 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	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Required
020	BCT	Beginning Segment for Price/Sales Catalog	M	1			Required
060	PER	Administrative Communications Contact	O	3			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - LIN					**700000**		
010	LIN	Item Identification	O	1			Used
015	G53	Maintenance Type	O	1		N2/015	Used
020	SLN	Subline Item Detail	O	100			Used
030	DTM	Date/Time Reference	O	10			Used
060	CTB	Restrictions/ Conditions	O	25			Used
070	PID	Product/Item Description	O	200			Used
100	PO4	Item Physical Details	O	1			Used
LOOP ID - CTP					**100**		
170	CTP	Pricing Information	O	1			Used
175	G40	Bracket Price	O	99			Used
180	DTM	Date/Time Reference	O	10			Used
200	CUR	Currency	O	5			Used
225	REF	Reference Identification	O	>1			Used
227	G43	Promotion/Price List Area	O	9999			Used
LOOP ID - N1					**200**		
230	N1	Name	O	1			Used
240	N2	Additional Name Information	O	2			Not Rec'd
250	N3	Address Information	O	2			Not Rec'd
260	N4	Geographic Location	O	1			Not Rec'd

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Used

Notes:

2/015   If BCT10 is used and G5301 is used, then the G5301 takes precedence.

3/010   Number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is

not used in this transaction.

ST   Transaction Set Header

Pos: 010   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Required

Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Required

> **Description:** Code uniquely identifying a Transaction Set

Code	Name
832	X12.13 Price/Sales Catalog

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Required

> **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BCT Beginning Segment for Price/Sales Catalog

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 10

User Option (Usage): Required

Purpose: To indicate the beginning of the Price/Sales Catalog Transaction Set and specify catalog purpose and number information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCT01	683	**Catalog Purpose Code**	M	ID	2/2	Required

Description: Code indicating purpose of catalog

Code	Name
RC	Resale Catalog

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCT02	684	**Catalog Number**	O	AN	1/15	Used

Description: Identifying number for catalog or superseded catalog

BCT03	685	**Catalog Version Number**	O	AN	1/15	Used

Description: Identifying version number of catalog or superseded catalog

User: *The content is at the option of the submitter. Ofter this is the date of submission in the format (MMDDYY).*

BCT04	686	**Catalog Revision Number**	O	AN	1/6	Used

Description: Identifying revision number of catalog or superseded catalog

* BCT05	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Not Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

* BCT06	684	**Catalog Number**	O	AN	1/15	Not Used

Description: Identifying number for catalog or superseded catalog

* BCT07	685	**Catalog Version Number**	O	AN	1/15	Not Used

Description: Identifying version number of catalog or superseded catalog

* BCT08	686	**Catalog Revision Number**	O	AN	1/6	Not Used

Description: Identifying revision number of catalog or superseded catalog

* BCT09	352	**Description**	O	AN	1/80	Not Used

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

BCT10	353	**Transaction Set Purpose Code**	O	ID	2/2	Used

Description: Code identifying purpose of transaction set

Code	Name
00	Original

Description: *Use this value when a full title file is transmitted. Indicates to the receiver to delete the old file and replace with the new file if applicable.*

Code	Name
01	Cancellation
02	Add
03	Delete
04	Change

PER   Administrative Communications Contact

User Option (Usage): Used

Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Required

Description: Code identifying the major duty or responsibility of the person or group named

Code	Name
RE	Receiving Contact
TM	Transmitter

Description: *The firm, organization, or individual who transmits returns electronically to a taxing authority*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/35	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	C	ID	2/2	Used

Description: Code identifying the type of communication number

Code	Name
BN	Beeper Number
CP	Cellular Phone
EM	Electronic Mail
EX	Telephone Extension
FX	Facsimile
TE	Telephone
TM	Telemail

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	C	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER05	365	**Communication Number Qualifier**	C	ID	2/2	Used

Description: Code identifying the type of communication number

User: *Refer to code list specified in 'PER03' for usage.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER06	364	**Communication Number**	C	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER07	365	**Communication Number Qualifier**	C	ID	2/2	Used

Description: Code identifying the type of communication number

User: *Refer to code list specified in 'PER03' for usage.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER08	364	**Communication Number**	C	AN	1/80	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Complete communications number including country or area code when applicable				
* PER09	443	**Contact Inquiry Reference**	O	AN	1/20	Used
		Description: Additional reference number or description to clarify a contact number				

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Loop Item Identification

Pos: 010	**Repeat: 700000**
Optional	
Loop: LIN	**Elements: N/A**

User Option (Usage): Used

Purpose: To specify basic item identification data

Loop Summary:

Pos	**Id**	**Segment Name**	**Req**	**Max Use**	**Repeat**	**Usage**
010	LIN	Item Identification	O	1		Used
015	G53	Maintenance Type	O	1		Used
020	SLN	Subline Item Detail	O	100		Used
030	DTM	Date/Time Reference	O	10		Used
060	CTB	Restrictions/ Conditions	O	25		Used
070	PID	Product/Item Description	O	200		Used
100	PO4	Item Physical Details	O	1		Used
170		Loop CTP	O		100	Used
230		Loop N1	O		200	Used

LIN Item Identification

Pos: 010	**Max: 1**
Detail - Optional	
Loop: LIN	**Elements: 31**

User Option (Usage): Used

Purpose: To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN01	350	**Assigned Identification**	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Required

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code	Name
AI	Alternate ISBN

> **User:**
> *ISBN-10*

Code	Name
B2	Library of Congress Code
B7	Publisher Code

Description: *Publishers short title for ordering.*

Code	Name
CH	Country of Origin Code
CZ	Country from which procured

Description: *This code is used by the Book Industry but was not approved by X12..*

Code	Name
EN	European Article Number (EAN) (2-5-5-1)

> **User:**
> *ISBN-13*

Code	Name
F6	First Prior Identifier
F9	Former Publisher
IB	International Standard Book Number (ISBN)

> **User:**
> *ISBN-10*

Code	Name
IM	Imprint (Trademark Code of Subsidiary)
IS	International Standard Serial Number (ISSN)
RR	Replacement Product No.

> **User:**
> *Alternate/Replacement ISBN-13*

Code	Name
RU	Run Number
S2	Second Prior Identifier
SR	Substitute Product Number

> **User:**
> *Alternate/Replacement UCC/EAN-13*

Code	Name
T3	Third Prior Identifier
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)

Description: *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*

		Code	Name				

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

User:

   UCC/EAN-14

UP   U.P.C. Consumer Package Code (1-5-5-1)

VN   Vendor's (Seller's) Item Number

XX   Publisher type - e.g., corporate body, trade, university

Description: *This code is used by the Book Industry but was not approved by X12.*

LIN03	234	**Product/Service ID**	M	AN	1/40	Required

Description: Identifying number for a product or service

LIN04	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *See code list specified in 'LIN02' for usage.*

LIN05	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

LIN06	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *See code list specified in 'LIN02' for usage.*

LIN07	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

LIN08	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *See code list specified in 'LIN02' for usage.*

LIN09	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

LIN10	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *See code list specified in 'LIN02' for usage.*

LIN11	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

LIN12	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *See code list specified in 'LIN02' for usage.*

LIN13	234	**Product/Service ID**	C	AN	1/40	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Identifying number for a product or service				
LIN14	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User: *See code list specified in 'LIN02' for usage.*				
LIN15	234	**Product/Service ID**	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN16	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User: *See code list specified in 'LIN02' for usage.*				
LIN17	234	**Product/Service ID**	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN18	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User: *See code list specified in 'LIN02' for usage.*				
LIN19	234	**Product/Service ID**	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN20	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User: *See code list specified in 'LIN02' for usage.*				
LIN21	234	**Product/Service ID**	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN22	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User: *See code list specified in 'LIN02' for usage.*				
LIN23	234	**Product/Service ID**	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN24	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User: *See code list specified in 'LIN02' for usage.*				
LIN25	234	**Product/Service ID**	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN26	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *See code list specified in 'LIN02' for usage.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN27	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN28	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *See code list specified in 'LIN02' for usage.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN29	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN30	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *See code list specified in 'LIN02' for usage.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN31	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

Semantics:

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.

G53 Maintenance Type

Pos: 015	Max: 1
Detail - Optional	
Loop: LIN	Elements: 1

User Option (Usage): Used

Purpose: To identify the specific type of item maintenance

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G5301	875	**Maintenance Type Code**	M	ID	3/3	Required

Description: Code identifying the specific type of item maintenance

Code	Name
001	Change
002	Delete
021	Addition
024	Cancellation or Termination
050	Original

SLN   Subline Item Detail

<div>

Pos: 020   Max: 100
Detail - Optional
Loop: LIN   Elements: 28

</div>

User Option (Usage): Used

Purpose: To specify product subline detail item data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN01	350	**Assigned Identification**	M	AN	1/20	Required

Description: Alphanumeric characters assigned for differentiation within a transaction set

User: *Recommend use LIN01 Number.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* SLN02	350	**Assigned Identification**	O	AN	1/20	Not Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN03	662	**Relationship Code**	M	ID	1/1	Required

Description: Code indicating the relationship between entities

Code Name
I   Included

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN04	380	**Quantity**	M	R	1/15	Required

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN05	C001	**Composite Unit of Measure**	M	Comp		Required

Description: To identify a composite unit of measure(See Figures Appendix for examples of use)

| | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Used |

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code Name
12   Packet
BK   Book
PH   Pack (PAK)
PK   Package
ST   Set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	1018	**Exponent**	O	R	1/15	Not Used

Description: Power to which a unit is raised

| * | 649 | **Multiplier** | O | R | 1/10 | Not Used |

Description: Value to be used as a multiplier to obtain a new value

| * | 355 | **Unit or Basis for Measurement Code** | O | ID | 2/2 | Not Used |

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

| * | 1018 | **Exponent** | O | R | 1/15 | Not Used |

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Power to which a unit is raised				
*	649	**Multiplier**	O	R	1/10	Not Used
		Description: Value to be used as a multiplier to obtain a new value				
*	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Not Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	**Exponent**	O	R	1/15	Not Used
		Description: Power to which a unit is raised				
*	649	**Multiplier**	O	R	1/10	Not Used
		Description: Value to be used as a multiplier to obtain a new value				
*	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Not Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	**Exponent**	O	R	1/15	Not Used
		Description: Power to which a unit is raised				
*	649	**Multiplier**	O	R	1/10	Not Used
		Description: Value to be used as a multiplier to obtain a new value				
*	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Not Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	**Exponent**	O	R	1/15	Not Used
		Description: Power to which a unit is raised				
*	649	**Multiplier**	O	R	1/10	Not Used
		Description: Value to be used as a multiplier to obtain a new value				
* SLN06	212	**Unit Price**	C	R	1/17	Not Used
		Description: Price per unit of product, service, commodity, etc.				
* SLN07	639	**Basis of Unit Price Code**	O	ID	2/2	Not Used
		Description: Code identifying the type of unit price for an item				
* SLN08	662	**Relationship Code**	O	ID	1/1	Not Used
		Description: Code indicating the relationship between entities				
SLN09	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

Code **Name**

EN   European Article Number (EAN) (2-5-5-1)

		Code	**Name**				
			User:				
			ISBN-13				
		IB	International Standard Book Number (ISBN)				
			User:				
			ISBN-10				
		UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)				

Description: *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*

User:
UCC/EAN-14

| | | UP | U.P.C. Consumer Package Code (1-5-5-1) | | | | |

SLN10	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SLN11	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *Refer to code list specified in 'SLN09' for usage.*

SLN12	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SLN13	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *Refer to code list specified in 'SLN09' for usage.*

SLN14	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SLN15	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *Refer to code list specified in 'SLN09' for usage.*

SLN16	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SLN17	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *Refer to code list specified in 'SLN09' for usage.*

SLN18	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN19	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *Refer to code list specified in 'SLN09' for usage.*

SLN20	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SLN21	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *Refer to code list specified in 'SLN09' for usage.*

SLN22	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SLN23	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *Refer to code list specified in 'SLN09' for usage.*

SLN24	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SLN25	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *Refer to code list specified in 'SLN09' for usage.*

SLN26	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

SLN27	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User: *Refer to code list specified in 'SLN09' for usage.*

SLN28	234	**Product/Service ID**	C	AN	1/40	Used

Description: Identifying number for a product or service

Syntax Rules:

1. C0706 - If SLN07 is present, then SLN06 is required.
2. C0806 - If SLN08 is present, then SLN06 is required.
3. P0910 - If either SLN09 or SLN10 is present, then the other is required.
4. P1112 - If either SLN11 or SLN12 is present, then the other is required.
5. P1314 - If either SLN13 or SLN14 is present, then the other is required.
6. P1516 - If either SLN15 or SLN16 is present, then the other is required.
7. P1718 - If either SLN17 or SLN18 is present, then the other is required.
8. P1920 - If either SLN19 or SLN20 is present, then the other is required.

9. P2122 - If either SLN21 or SLN22 is present, then the other is required.
10. P2324 - If either SLN23 or SLN24 is present, then the other is required.
11. P2526 - If either SLN25 or SLN26 is present, then the other is required.
12. P2728 - If either SLN27 or SLN28 is present, then the other is required.

Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., or SKU.

DTM Date/Time Reference

Pos: 030	Max: 10
Detail - Optional	
Loop: LIN	**Elements: 6**

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Required

Description: Code specifying type of date or time, or both date and time

Code	Name
007	Effective

Description: *New price effective date.*

015	Promotion Start
018	Available/Constructive Placement
043	Publication
063	Do Not Deliver After
079	Promised for Shipment
167	Most Recent Revision (or Initial Version)
374	Order End

Description: *Out of Print date*

604	Withdrawn

Description: *Publication cancellation date*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Required

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* DTM03	337	**Time**	C	TM	4/8	Not Used

Description: 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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* DTM04	623	**Time Code**	O	ID	2/2	Not Used

Description: 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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* DTM06	1250	**Date Time Period Format Qualifier**	C	ID	2/3	Not Used

Description: Code indicating the date format, time format, or date and time format

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* DTM07	1251	**Date Time Period**	C	AN	1/35	Not Used

Description: Expression of a date, a time, or range of dates, times or dates and times

Syntax Rules:

1. P0607 - If either DTM06 or DTM07 is present, then the other is required.
2. R020306 - At least one of DTM02, DTM03 or DTM06 is required.

CTB   Restrictions/ Conditions

Pos: 060	Max: 25
Detail - Optional	
Loop: LIN	Elements: 6

User Option (Usage): Used

Purpose: To specify restrictions/conditions (such as shipping, ordering)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB01	688	**Restrictions/Conditions Qualifier**	M	ID	2/2	Required

Description: Code identifying the type of restriction/condition

Code	Name
NR	Nonreturnable
OR	Ordering

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB02	352	**Description**	C	AN	1/80	Used

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

User: *Returnable Indicators include:*

Y = Yes, returnable, full copies anly

N = No, not returnable

C = Conditional, contact publisher for requirements and/or authorization.

S = Yes, returnable, stripped cover

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB03	673	**Quantity Qualifier**	C	ID	2/2	Used

Description: Code specifying the type of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTB04	380	**Quantity**	C	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* CTB05	522	**Amount Qualifier Code**	C	ID	1/2	Not Used

Description: Code to qualify amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* CTB06	610	**Amount**	C	N2	1/15	Not Used

Description: Monetary amount

Syntax Rules:

1. R020406 - At least one of CTB02, CTB04 or CTB06 is required.
2. P0304 - If either CTB03 or CTB04 is present, then the other is required.
3. P0506 - If either CTB05 or CTB06 is present, then the other is required.

PID Product/Item Description

<table>
<tr><td>Pos: 070</td><td>Max: 200</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: LIN</td><td>Elements: 9</td></tr>
</table>

User Option (Usage): Used

Purpose: To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Required

Description: Code indicating the format of a description

Code	Name
S	Structured (From Industry Code List)
X	Semi-structured (Code and Text)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* PID02	750	**Product/Process Characteristic Code**	O	ID	2/3	Not Used

Description: Code identifying the general class of a product or process characteristic

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID03	559	**Agency Qualifier Code**	C	ID	2/2	Used

Description: Code identifying the agency assigning the code values

Code	Name
BI	Book Industry Systems Advisory Committee

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID04	751	**Product Description Code**	C	AN	1/12	Used

Description: A code from an industry code list which provides specific data about a product characteristic

Code	Name
AD	Audience - See Code List in PID05
AR	Age Range - See description in PID05
BC	Binding Material Color - See Code List in PID05
BS	Binding Style - See Code List in PID05
DI	Distribution -
	Description: *Geographic distribution and distribution restrictions practiced by the publisher. See Code List in PID05*
ED	Edition Description - See Code List in PID05
EN	Edition Number
EQ	Edition print quantity planned
GR	Grade Range - See description in PID05
IM	The Information Media and Format Type Code - See Code List in PID05
IT	Item type -
	Description: *describes the nature of the text or work. See descriptions in PID05*
LA	Language -
	Description: *The language in which the books is written is coded using ISO 639:1988, Code for the Representation of Names of Languages*
LT	Library type - See description in PID05
NV	Number of Volumes
PA	Number of Pages

Code	Name
PC	Page Edging Color - See Code List in PID05
PE	Page Edging - See Code List in PID05
SA	Status - See Code List in PID05
SB	Special Bible Features - See Code List in PID05
SN	Series Number for series title
TI	Title, where "nn" = 01-99 in case the title is greater than 80 bytes.
TR	Bible Translation - See Code List in PID05
VN	Volume Number
AQI	Acquisition Indicator
	Description: *Former publisher may follow in the 352 element*
AWC	Award Code -
	Description: *The following PID05 identifies the award for which the book was nominated or had won.*
AWD	Award Dispensation -
	Description: *The following PID05 identifies whether the book in question won the award, or was nominated for the award. See code list in PID05.*
AWY	Award Year - was won/nominated by the book in question. Styled as follows: YYYY or YYYY-YY.
	Description: *The following PID05 identifies the year(s) the award*
FBP	The Format/Binding/Packaging Code - See Code List in PID05
AFnn	Author/Contributor affiliation
	Description: *Affiliation of contributor to an institution or geographic region, where nn = contributor's sequence number (e.g. "A01"). E.g., Professor at Miami University, would follow PID05.*
PDnn	Publisher Discount Group Code,
	Description: *where "nn" = 01-99 in case the text is greater than 80 bytes.*
SEnn	Series Title,
	Description: *where "nn" = 01-99 in case the series title is greater than 80 bytes.*
STnn	Subtitle,
	Description: *where "nn" = 01-99 in case the subtitle is greater than 80 bytes.*
SUnn	BISAC Subject Codes,
	Description: *where "nn" = 01-99. See Section 8.0 of the frontmatter for reference*
TFnn	Contributor Type Codes,
	Description: *where T=Type, F=Function, and nn=Sequence Number. See Code List PID05.*
BDfnn	Birthdate Date in the YYYYMMDD format,
	Description: *where fnn identifies the author/contributor for whom the birth date applies. E.g. PID04 = BDA01, PED05 = 19220312.*
DDfnn	Death Date in YYYYMMDD format,
	Description: *where fnn identifies the author/contributor for whom the death date applies. E.g. PID04 = DDA01, PID05 = 19690704.*
DOCnn	Description of Content,
	Description: *where "nn" = 01-99 in case the text is greater than 80 bytes.*
PRInn	Proprietary Information,
	Description: *where "nn" = 01-99 in case the text is greater than 80 bytes.*
PROnn	Promotional Information,
	Description: *where "nn" = 01-99 in case the text is greater than 80 bytes.*

Code	**Name**

TOCnn   Table of Contents,

Description: *where "nn" = 01-99 in case the table of contents information is greater than 80 bytes. See Code List inPID05*

DUIxnn   Display Unit Indicator,

Description: *where x contains one of the following codes and nnn = 001-999 representing the total number of copies contained in the display unit. The quantities of each title followed by the ISBN of each title in the display unit appear in 352.*

Values for x:

F - Floor Display

C - Counter Display

P - Prepack

(FUNC)nn   Author/Contributor function,

Description: *where "FUNC"= code from list below and "nn" = 01-99 when more than 1 contributor is present. Primary Author is coded as "A01".*

See name styling convention in PID05.

1 = Preface by

2 = Prologue by

3 = Produced by

4 = Read by

5 = Retold by

6 = Revised by

7 = Selected by

8 = Summary by

9 = Supplement by

0 = Text by (art/photo books)

@ = Other

A = Author

B = Abridged by

C = Adapted by

D = Afterward by

E = Editor

F = Annotations by

		Code	**Name**				
		G = As told to					
		H = As told by					
		I = Illustrator					
		J = Contribution by					
		K = Commentaries by					
		L = Compiled by					
		M = Created by					
		N = Concept by					
		O = Designed by					
		P = Photographer					
		Q = Epilogue by					
		R = Experiments by					
		S = Footnotes by					
		T = Translator					
		U = Foreword by					
		V = Introduction by					
		W = Memoir by					
		X = Author/contributor not applicable					
		Y = Narrated by					
		Z = Noted by					

PID05	352	**Description**	C	AN	1/80	Used

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

Code   **Name**

AD   Audience Codes
Description: *COL = College*

JUV = Juvenile

PSP (formerly PRO) = Professional and Scholar

SCH = Elementary/High School

TRA = Trade

YA = Young Adult

AR   Age Range is configured as follows

Code   **Name**

Description: *Age range targeted by this product. The first two character positions*

are for the low end of the range; the second two for the high end (no

hyphens in this field). Single-digit ages are preceded by a zero. If a

specific age applies, only the first two characters are filled; the second two are
zero-filled. If there is only an upper limit, the first two

characters are zero-filled.

Examples:

Age 4-7 = 0407;

Age 5 & up = 05UP;

Age 10 = 1000;

Up to Age 8 = 0008

BC   Binding Material Color
Description: *BEI = Beige*

BLA = Black

BLU = Blue

BLD = Blue, Dark

BLL = Blue, Light

BRN = Brown

BUR = Burgundy

GRA = Gray

GRE = Green

GRD = Green, Dark

GRL = Green, Light

IVY = Ivory

PNK = Pink

PUR = Purple

RED = Red

RDD = Red, Dark

REL = Red, Light

TEA = Teal

Code	Name
	WHI = White
	YEL = Yellow
BS	Binding Style

Description: *BEV = Beveled*

CHV = Chevo (Endsheet Material With Protective Plastic Varnish)

DIE = Die Cut

FIL = Fillet

FIN = Finish Cut

FSH = Flush Cut

LAM = Laminated

MOI = Moire

OVL = Overlap (Approx. 1/8 in.)

PAD = Padded Cover

SNP = Snap Flap

TUR = Turned Edge

ZIP = Zipper Closing

DI   Distribution Codes

Description: *NON = No Restrictions in the U.S. and Canadian Markets (contact publisher concerning availability elsewhere) (The NON code will be officially discontinued as of 9-1-97. Publishers should phase out its use ASAP)*

OTH = Other (contact publisher for details)

USA = Distribution in the U.S. only

CAN = Distribution in Canada only

UK = Distribution in the United Kingdom only

OM = Distribution in the Open Market only

WWD = Distribution Worldwide

USC = Distribution in the U.S and Canada only

USK = Distribution in the U.S and U.K. only

CUK = Distribution in Canada and U.K. only

UCK = Distribution in the U.S., Canada and U.K. only

USO = Distribution in the U.S. and Open Market only

UCO = Distribution in U.S., Canada and Open Market only

Code   **Name**

WXU = Distribution Worldwide except U.S.

WXC = Distribution Worldwide except Canada

WXK = Distribution Worldwide except United Kingdom

WXE = Distribution Worldwide except EEC (European Economic Community)

WXS = Distribution Worldwide except South Africa

WXN = Distribution Worldwide except U.S. & Canada

WXO = Distribution Worldwide with some other exceptions, contact publisher for details

The geographic markets listed above may be interpreted in a number of ways. Contact the publisher to determine whether a book is offered for sale in any given market. Some typical meanings for the various terms are listed below. However, each publisher should be contacted directly to determine their particular interpretation of these terms.

a. Worldwide typically means that the publisher may distribute the product to all countries where the publisher sells books.

b. The U.S. typically means The United States, its territories and dependencies, and the Philipppines. Sometimes this includes U.S. overseas military bases.

c. Open market typically means worldwide except the U.S., Canada and British Commonwealth.

d. The British Commonwealth typically means the U.K. and most (but not all) former British Colonies not including Canada.

ED   Edition Descriptions
            Description: *ABR = Abridged*

            ADP = Adapted

            ALT = Alternate

            ANN = Annotated

            CRT = Critical

            ENL = Enlarged

            EXP = Expurgated

            FAC = Facsimile

            GEN = General

            PHT = Photographic

Code	Name
	REV = Revised
	TRN = Translated
	UNX = Unexpurgated
	VAR = Variorum
GR	Grade Range is configured as follows

Description: *Grade range targeted by this product. The first two character positions*

are for the low end of the range; the second two for the high end (no

hyphens in this field). Single-digit grades are preceded by a zero. If a

specific grade applies, only the first two characters are filled; the

second two are zero-filled. If there is only an upper limit, the first two

characters are zero-filled.

Examples:

Grades 3-6 = 0306;

Grade 5 & up = 05UP;

Pre-school - 1 = 0P01;

Kindergarten - 2 = 0K02;

Up to Grade 6 = 0006

Code	Name
IM	Information Media Type

Description: *A = Audio*

B = Book

C = Calendar

D = Diskette

E = Ebook

F = Film

J = Journal

K = Maps

M = Microform

N = Books & Things

O = Other

R = CD-ROM

V = DVD/Video

Code	**Name**
IT	Item Type descriptions

Description: *abstracts & extracts*

anthology

atlas

bibliography, index, discography

big type

biographical dictionary

braille

casebook

catalog

collected articles -- not previously published (npp)

collected articles -- previously published (pp)

collected works

combination of npp and pp articles

combination of original and translated articles

commentary

concordance

data book/tables

dictionary, multiple language

dictionary, single language

directory

dissertation

documentary collection

encyclopedia

facsimile

general book

grammar

handbook

indexing system

journal monograph

Code	**Name**
	multi-author text
	musical score
	selected works
	supplementary course monograph
	symposium proceedings
	thesaurus
	translated articles
LT	Library Type descriptions

Description: *academic research*

academic

community college

corporate

federal

highly specialized collection

law

medical

popular collection

public

state

theological

PC   Page Edging Color

Description: *AMB = Amber*

BEI = Beige

BLA = Black

BLU = Blue

BRN = Brown

BUR = Burgundy

GOL = Gold

GRA = Gray

GRE = Green

IVY = Ivory

Code	Name
	PNK = Pink
	PUR = Purple
	RED = Red
	SIL = Silver
	TEA = Teal
	WHI = White
PE	Page Edging

Description: *GIL = Gilded*

PLA = Plain

SPR = Sprayed

STA = Stained

SA	Status Codes

Description: *ACT = Active*

NL = No longer Our Publication (this field to be used in conjunction

with CURRENT PUBLISHER field in LIN03)

NOP = Not Our Publication (this field to be used in conjunction with

CURRENT PUBLISHER, if known, in LIN03)

NYP = Not Yet Published

OD = On Demand

OP = Out of Print

OS = Temporarily out of Stock

OSI = Out of Stock Indefinitely

PC = Publication Cancelled

RMyyyymmdd = Remainder with a Y2K status date

SB	Special Bible Features

Description: *ANNO = Annotated*

ARTC = Articles

CHRT = Charts

CRON = Cronological Bibles

CONC = Concordance

XREF = Cross References

Code	**Name**
	DREE = Daily Reading Editions
	DEVR = Devotional Readings
	DICT = Dictionary
	FAMY = Family Records Section
	HARM = Gospel Harmonies
	ICON = Icons
	IEND = Illustrated Endsheets
	INOT = Interlinear
	MAPB = Maps in Back
	MAPT = Maps in Test
	MCOL = Multi-Colored
	NDIC = Name Dictionaries
	PARL = Parallel
	PEW = Pew
	PHON = Phonetic
	PPAG = Presentation Page
	PULP = Pulpit
	SIDX = Saints Index
	SNOT = Study Notes
	TIDX = Thumb Indexed
	WMAR = Wide Margins
	WAPO = With Apocrypha
	WMAG = With Magnifier
	WBCP = With the Book of Common Prayer
	WCRD = Words of Christ In Red
TR	Bible Translation

Description: *J21 = 21st Century King James*

ASV = American Standard Bible

AMP = Amplified Bible

BBE = Bible In Basic English

	Code	**Name**
		CWT = Clear Word Translation
		CEV = Contemporary English Version
		DOU = Douay Version
		GWD = God's Word
		ICV = International Children's Version
		JER = Jerusalem Bible
		KJV = King James Version
		LB = Living Bible
		MSG = Message
		NA = Not Applicable
		NAB = New American Bible
		NAS = New American Standard
		NASU = New American Standard Update
		NCV = New Century Version
		NEB = New English Bible
		NIRV = New International Readers Version
		NIV = New International Version
		NJR = New Jerusalem Bible
		NKJV = New King James Version
		NLB = New Living Bible
		NLT = New Living Translation
		NRSV = New Revised Standard Version
		NOP = Not Provided
		PHP = Phillips Paraphrase
		REB = Revised English Bible
		RSV = Revised Standard Version
		TEV = Today's English Version
	AWC	Award Code

Description: *The following PID05 identifies the award for which the book was*

nominated or had won.

Code	Name
	ABBY Award see American Booksellers Book of the Year (ABBY) Award
	ABBY Award - Children see American Booksellers Book of the Year
	(ABBY) Award - Children
	ALA Notable Books see American Library Association Notable Books
001 =	*American Book Award*
002 =	*American Booksellers Book of the Year (ABBY) Award*
003 =	*American Booksellers Book of the Year (ABBY) Award - Children*
004 =	*American Library Association Notable Books*
005 =	*Arthur C. Clarke Award*
006 =	*Bancroft Prizes*
007 =	*Bollingen Prize in Poetry*
008 =	*Booker Prize for Fiction*
009 =	*Boston Globe-Horn Book Awards*
010 =	*Bram Stoker Awards*
011 =	*Burroughs Medal*
	Caldecott Medal see Randolph Caldecott Medal
012 =	*Carnegie Medal*
013 =	*Carter G. Woodson Book Awards*
014 =	*Catholic Book Awards*
015 =	*Christopher Book Awards*
016 =	*Coretta Scott King Awards*
017 =	*Dorothy Canfield Fisher Children's Book Award*
018 =	*Edgar Allan Poe Awards*
	Emil Award see Kurt Maschler (Emil) Award
019 =	*Ernest Hemingway Foundation Award*
	Faulkner Award for Fiction see PEN/Faulkner Award for Fiction
020 =	*Folio Fiction/Poetry Awards*
021 =	*Francis Parkman Prize*
022 =	*George G. Stone Center for Children's Book Recognition of Merit*

Code	Name
	Award
023 =	*Gold Medallion Book Awards*
024 =	*Golden Kite Awards*
	Greenaway Medal see Kate Greenaway Medal
025 =	*Hammett Prize*
	Hugo Awards see World Science Fiction Convention Hugo Awards
	IBBY Award see International Board on Books for Young People
026 =	*International Board on Books for Young People*
027 =	*International Reading Association Children's Book Award*
028 =	*Jane Addams Children's Book Award*
029 =	*James Beard Awards*
030 =	*Jefferson Cup Award*
031 =	*John Newbery Medal*
032 =	*Kate Greenaway Medal*
033 =	*Kurt Maschler (Emil) Award*
034 =	*Lambda Literary Awards*
035 =	*Lenore Marshall/Nation Magazine Prize for Poetry*
036 =	*Library Journal Best Books of the Year*
037 =	*Locus Awards*
038 =	*Los Angeles Times Book Prizes*
039 =	*Mencken Award*
040 =	*Mildred L. Batchelder Award*
041 =	*National Book Awards*
042 =	*National Book Critics Circle Awards*
043 =	*National Jewish Book Awards*
	Nebula Awards see Science Fiction Writers of America Nebula Awards
044 =	*New York Academy of Sciences, Children's Book Award*
045 =	*New York Times Editors' Choice*

Code **Name**

046 = New York Times Notable Books of the Year

Newbery Medal see John Newbery Medal

047 = Parents' Choice Award for Illustration in Children's Books

048 =PEN/FaulknerAwardforFiction

049 = Phi Beta Kappa Award in Science

050 = Prix Goncourt

051 = Publishers Weekly Best Books of the Year

052 = Pulitzer Prizes

053 = Randolph Caldecott Medal

054 = Romance Writers of America Awards

055 = School Library Journal Best Books of the Year

056 = Science Fiction Writers of America Nebula Awards

057 = Spur Awards

058 = Western Heritage Awards (Wrangler Award)

Western Writers of America Spur Awards see Spur Awards

059 = Whitbread Literary Awards

060 = William Carlos Williams Award

061 = World Science Fiction Convention Hugo Awards

062 = Writers Guild of America West Awards

999 = OTHER [specify in PID05]

AWD   Award Dispensation

Description: *N = Nominated*

W = Winner

FBP   Format/Binding/Packaging Codes

Description: *The following codes should be used only when the media type (IM) of the product = AUDIO (A):*

AA = Analog Audio Cassette

CD = Compact Disk

DA = Digital Audio Cassette

OO = Other

TA = Tape, Reel

Code   **Name**

The following codes should be used only when the media type (IM) of the

product = Book (B), or Journal (J):

BA = Cloth/Bath Books

BD = Board Books

BL = Bonded Leather

BX = Boxed Set, Slip Cased, or Casebound

CB = Coil bound

CT = Cloth text

DE = Denim

EL = Embossed Leather

FB = Fabric

IL = Imitation Leather

KI = Kivar (or comparable)

LB = Library binding

LE = Leather

LL = Loose leaf

MM = Mass market paperbound

OO = Other

OT = Otabind

PF = Perfect

PO = Paper Overboard

PT = Paper text

RB = Ringbound

RL = Reinforced Library Binding

SC = Slipcased

SP = Spiral

SS = Smyth Sewn

TC = Trade cloth

TP = Trade paper

Code   **Name**

VB = Vinyl-bound

WC = Wire Coil/Wire Comb

The following codes should be used as Supplementary Format/Binding/Packaging Codes when they apply to B, BOOK, or J, JOURNAL:

BI = Big Books

CO = Coloring Books

FB = Flap Books

FU = Fuzzy Books

MI = Miniature Books

MO = Movable Books

NS = Non-Standard Trim Size

PI = Picture Books

PO = Pop-Up books

SB = Scented Books

SO = Sound Storybooks

ST = Sticker Books

The following codes should be used only when the media type (IM) of the product = Calendar (C):

DK = Desk

MN = Mini

OO =Other

PD = Page a Day

WL = Wall

The following codes should be used only when the media type (IM) of the product = Diskette (D):

A2 = Apple II disk

H3 = 1.44M, 3.5 disk, DOS

H5 = 1.2M, 5.25 disk, DOS

L3 = 720K, 3.5 disk, DOS

L5 = 360K, 5.25 disk, DOS

MH = 1.44M, Mac

Code   **Name**

ML = 800K, Mac

OO = Other

The following codes should be used only when the media type (IM) of the product = Ebook (E):

DF = Portable Document Format (PDF)

EV = EveryBook

GL = Glassbook

HT = HTML

LI = Librius

MD = Microsoft Reader Desktop

ME = Millennium

MP = Microsoft Reader Pocket PC

M3 = MP3

OE = Open EBook

PP = Palm Pilot

RK = RocketBook

RT = Rich Text Format (RTF)

SF = SoftBook

SL = SoftLock

TX = ASCII Text

WR = MS Word

WV = Wave file

The following codes should be used only when the media type (IM) of

the product = Film (F):

FM = Filmstrip

OO = Other

SL = Slides

TR = Transparencies

The following codes should be used only when the media type (IM) of the product = Maps (K):

| **Code** | **Name** |

FF = Folded

GG = Globe

NF = Not Folded, Rolled

OO = Other

The following codes should be used only when the media type (IM) of the product = Microform (M):

FI = Fiche, microfiche

MF = Microfilm

OO = Other

The following codes should be used only when the media type (IM) of

the product = Books & Things (N):

DL = Book and Doll

MU = Book and Music

OO = Book and Other

PL = Book and Plush Toy

TY = Book and Toy

The following codes should be used only when the media type (IM) of the product = Other (O):

BG = Board Games

CG = Cartridge for Computer Games

MA = multimedia

OO = Other

The following codes should be used only when the media type (IM) of the product = CD-ROM (R):

DO = DOS

MC = MAC

MX = Multi

OO = Other

WX = Multiple Windows Platforms

W3 = Windows 3.x

W9 = Windows 95, 97, NT

Code	**Name**

The following codes should be used only when the media type (IM) of

the product = DVD/Video (V):

BM = Betamax

DV = DVD

OO = Other

VD = Video, VHS format

VK = Video Disk

TOC   Table of Contents Codes
Description: *a = Pre-chapter Heads*

b = Group Headings (Part 1, for instance)

c = Chapter Head (Chapter 1, 2, etc...)

d = Chapter Sub-head (Primary division within the chapter)

e = Chapter Sub-sub-head (Secondary division within the chapter)

nf = Name Function. The name of the contributor(s) for the portion of

the work in question, followed by the function that person serves.

Styling and coding should be as in the regular contributor/function

elements.

q = Non-Content Material. This should be excluded from text searches

when trying to determine the number of "hits". Such listings may

include lists of maps, graphs, or illustrations. These lists usually follow

indices, appendicies, and other post-chapter listings.

x = Page Number (Roman or numeric only - no "page" label. No

qualifying numbers.)

y = Number of Pages Contained in the Referenced Portion. As with "x",

no qualifying numbers are needed.

z = Post-chapter heads.

TFnn   Author/Contributor Type Codes
Description: *P = Personal (presently this is the assumed type)*

C = Corporation

M = Meeting

        Code   **Name**

        (FUNC) Author/Contributor Function Codes

             Description: *Author/Contributor Name Convention*

             LAST NAME

             blank ( ) one space only

             FIRST NAME

             blank ( ) one space only

             MIDDLE NAME (or INITIAL)

             Example: LAST FIRST M/ or LAST FIRST MIDDLE/

             To denote title, degree etc. use comma (,) (no spaces) after last name.

             Example: LAST, Phd FIRST M

             For authors who have two or more elements in their first/last names,

             the ampersand (&) should be used between the two elements to show

             that they should be included as one name.

             Example: Van Buren Walker

             Walker Van&Buren

             Example: Abigail Van Buren

             Van&Buren Abigail

* PID06	752	**Surface/Layer/Position Code**	O	ID	2/2	Not Used

Description: Code indicating the product surface, layer or position that is being described

* PID07	822	**Source Subqualifier**	O	AN	1/15	Not Used

Description: A reference that indicates the table or text maintained by the Source Qualifier

* PID08	1073	**Yes/No Condition or Response Code**	O	ID	1/1	Not Used

Description: Code indicating a Yes or No condition or response

* PID09	819	**Language Code**	O	ID	2/3	Not Used

Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0803 - If PID08 is present, then PID03 is required.

Semantics:

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.

PO4 Item Physical Details

Pos: 100	**Max: 1**
Detail - Optional	
Loop: LIN	**Elements: 18**

User Option (Usage): Used

Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO401	356	**Pack**	O	N0	1/6	Used

Description: Number of inner pack units per outer pack unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* PO402	357	**Size**	C	R	1/8	Not Used

Description: Size of supplier units in pack

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO403	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code Name
KG   Kilogram
LB   Pound

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO404	103	**Packaging Code**	C	AN	3/5	Used

Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material

User: *CTN25 - Carton, corrugated or solid*

CTN71 - Carton, not otherwise specified

ENV71 - Envelope not otherwise specified

Code Name
CTN   Carton
> **User:**
> *CTN25 - Carton, corrugated or solid*
> *CTN71 - Carton, not otherwise specified*

ENV   Envelope
> **User:**
> *ENV71 - Envelope not otherwise specified*

Code Name
25   Corrugated or Solid
71   Not Otherwise Specified

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO405	187	**Weight Qualifier**	O	ID	1/2	Used

Description: Code defining the type of weight

Code Name
G   Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO406	384	**Gross Weight per Pack**	C	R	1/9	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>

Description: Numeric value of gross weight per pack

User: *For Book*

PO407	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

User: *For Book*

<u>Code</u> <u>Name</u>
KG   Kilogram
LB   Pound

* PO408	385	**Gross Volume per Pack**	C	R	1/9	Not Used

Description: Numeric value of gross volume per pack

* PO409	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Not Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

PO410	82	**Length**	C	R	1/8	Used

Description: Largest horizontal dimension of an object measured when the object is in the upright position

PO411	189	**Width**	C	R	1/8	Used

Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position

PO412	65	**Height**	C	R	1/8	Used

Description: Vertical dimension of an object measured when the object is in the upright position

PO413	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

<u>Code</u> <u>Name</u>
CM   Centimeter
IN   Inch

PO414	810	**Inner Pack**	O	N0	1/6	Used

Description: Number of units in each selling pack

* PO415	752	**Surface/Layer/Position Code**	O	ID	2/2	Not Used

Description: Code indicating the product surface, layer or position that is being described

* PO416	350	**Assigned Identification**	C	AN	1/20	Not Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

* PO417	350	**Assigned Identification**	O	AN	1/20	Not Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* PO418	1470	**Number**	O	N0	1/9	Not Used

Description: A generic number

Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Loop Pricing Information

Pos: 170	**Repeat: 100**
Optional	
Loop: CTP	**Elements: N/A**

User Option (Usage): Used

Purpose: To specify pricing information

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
170	CTP	Pricing Information	O	1		Used
175	G40	Bracket Price	O	99		Used
180	DTM	Date/Time Reference	O	10		Used
200	CUR	Currency	O	5		Used
225	REF	Reference Identification	O	>1		Used
227	G43	Promotion/Price List Area	O	9999		Used

CTP Pricing Information

Pos: 170	**Max: 1**
Detail - Optional	
Loop: CTP	**Elements: 11**

User Option (Usage): Used

Purpose: To specify pricing information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP01	687	**Class of Trade Code**	O	ID	2/2	Used

   Description: Code indicating class of trade

   Code **Name**
   DE   Dealer
   DI   Distributor
   FS   Food Service
      Description: *Institutions, restaurants, schools*
   GM   General Merchandise
      Description: *Discount/Department stores, mass merchandisers, variety stores, general merchandisers*
   GV   Government
   JB   Jobber
   PF   Professional
   RS   Resale
   TR   General Trade
   WH   Wholesaler
   WS   User

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP02	236	**Price Identifier Code**	C	ID	3/3	Used

   Description: Code identifying pricing specification

   Code **Name**
   ACT   Actual
      Description: *The final negotiated contract price*
   ALT   Alternate Price
   CAT   Catalog Price
   DIS   Distributor's Price
   EST   Estimated Price
   GOV   Government Price
   INV   Invoice Billing Price
   MSR   Manufacturer's Suggested Retail
   NET   Net Item Price
   PRP   Promotional price
   SLP   Suggested List Price
   SPC   Special Price

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP03	212	**Unit Price**	O	R	1/17	Used

   Description: Price per unit of product, service, commodity, etc.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP04	380	**Quantity**	C	R	1/15	Used

Description: Numeric value of quantity

CTP05	C001	**Composite Unit of Measure**	C	Comp		Used

Description: To identify a composite unit of measure(See Figures Appendix for examples of use)

	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Required

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code Name
CT   Carton
ST   Set
UN   Unit

*	1018	**Exponent**	O	R	1/15	Not Used

Description: Power to which a unit is raised

*	649	**Multiplier**	O	R	1/10	Not Used

Description: Value to be used as a multiplier to obtain a new value

*	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Not Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

*	1018	**Exponent**	O	R	1/15	Not Used

Description: Power to which a unit is raised

*	649	**Multiplier**	O	R	1/10	Not Used

Description: Value to be used as a multiplier to obtain a new value

*	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Not Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

*	1018	**Exponent**	O	R	1/15	Not Used

Description: Power to which a unit is raised

*	649	**Multiplier**	O	R	1/10	Not Used

Description: Value to be used as a multiplier to obtain a new value

*	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Not Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

*	1018	**Exponent**	O	R	1/15	Not Used

Description: Power to which a unit is raised

*	649	**Multiplier**	O	R	1/10	Not Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Value to be used as a multiplier to obtain a new value				
*	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Not Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	**Exponent**	O	R	1/15	Not Used
		Description: Power to which a unit is raised				
*	649	**Multiplier**	O	R	1/10	Not Used
		Description: Value to be used as a multiplier to obtain a new value				
CTP06	648	**Price Multiplier Qualifier**	O	ID	3/3	Used
		Description: Code indicating the type of price multiplier				

User: *The multiplier is used to compute the price after the discount is applied (e.g. A multiplier of '.8' relects a 20% discount.)*

Code **Name**
DIS   Discount Multiplier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP07	649	**Multiplier**	C	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				

User: *The value is a REAL number. The value is represented in decimal form. A discount of 20% would have a value in this element of .8*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* CTP08	782	**Monetary Amount**	O	R	1/15	Not Used
		Description: Monetary amount				
* CTP09	639	**Basis of Unit Price Code**	O	ID	2/2	Not Used
		Description: Code identifying the type of unit price for an item				
* CTP10	499	**Condition Value**	O	AN	1/10	Not Used
		Description: Identifies rate restrictions or provisions				
* CTP11	289	**Multiple Price Quantity**	O	N0	1/2	Not Used
		Description: Quantity of units for a given price, e.g., 3 for $10.00				

Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.

Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

G40 Bracket Price

Pos: 175	**Max: 99**
Detail - Optional	
Loop: CTP	**Elements: 9**

User Option (Usage): Used

Purpose: To provide a vendor's pricing structure associated with a specific line item

Element Summary:

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	G4001	417	**Price Bracket Identifier**	O	AN	1/3	Not Used

    Description: Identifier assigned by the vendor for a specific price bracket

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
	G4002	418	**Item List Cost - New**	M	R	1/9	Required

    Description: Unit price within the appropriate price bracket for a line item on or after an effective price date

    User: *See Element G4008 for 'Cost/Price' definition*

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
	G4003	419	**Item List Cost - Old**	O	R	1/9	Used

    Description: Unit price within the appropriate price bracket for a line item before an effective date

    User: *See Element G4008 for 'Cost/Price' definition*

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	G4004	369	**Free-form Description**	O	AN	1/45	Not Used

    Description: Free-form descriptive text

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	G4005	420	**Price New, Suggested Retail**	O	N2	2/7	Not Used

    Description: The consumer package price or retail unit price associated with the product applicable on or after an effective price date

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	G4006	421	**Price Old, Suggested Retail**	O	N2	2/7	Not Used

    Description: The consumer package price or retail unit price associated with the product applicable before an effective price date

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	G4007	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Not Used

    Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
	G4008	236	**Price Identifier Code**	O	ID	3/3	Used

    Description: Code identifying pricing specification

Code	Name
ACT	Actual

    Description: *The final negotiated contract price*

Code	Name
ALT	Alternate Price
CAT	Catalog Price
DIS	Distributor's Price
EST	Estimated Price
GOV	Government Price
INV	Invoice Billing Price
MSR	Manufacturer's Suggested Retail

			Code	Name
			N31	No Charge
			NET	Net Item Price
			PRP	Promotional price
			RTL	Retail
			SLP	Retail/List/Suggested Selling Price
			SPC	Special Price

* G4009	1470	**Number**	O	N0	1/9	Not Used

Description: A generic number

Semantics:

1. G4009 is the shipping unit to billing unit conversion factor.

Comments:

1. G4007 is the invoicing unit of measure for the costs specified in G4002 and G4003.

DTM Date/Time Reference

Pos: 180	Max: 10
Detail - Optional	
Loop: CTP	**Elements: 6**

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Required

Description: Code specifying type of date or time, or both date and time

Code	Name
007	Effective

Description: *New price effective date.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Required

Description: Date expressed as CCYYMMDD

* DTM03	337	**Time**	C	TM	4/8	Not Used

Description: 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	Not Used

Description: 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

* DTM06	1250	**Date Time Period Format Qualifier**	C	ID	2/3	Not Used

Description: Code indicating the date format, time format, or date and time format

* DTM07	1251	**Date Time Period**	C	AN	1/35	Not Used

Description: Expression of a date, a time, or range of dates, times or dates and times

Syntax Rules:

1. P0607 - If either DTM06 or DTM07 is present, then the other is required.
2. R020306 - At least one of DTM02, DTM03 or DTM06 is required.

CUR   Currency

<table>
<tr><td>Pos: 200</td><td>Max: 5</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: CTP</td><td>Elements: 21</td></tr>
</table>

User Option (Usage): Used
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
	CUR01	98	**Entity Identifier Code**	M	ID	2/2	Required

Description: Code identifying an organizational entity, a physical location, or an individual

Code Name
SE   Selling Party

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
	CUR02	100	**Currency Code**	M	ID	3/3	Required

Description: Code (Standard ISO) for country in whose currency the charges are specified

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	CUR03	280	**Exchange Rate**	O	R	4/10	Not Used

Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	CUR04	98	**Entity Identifier Code**	O	ID	2/2	Not Used

Description: Code identifying an organizational entity, a physical location, or an individual

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	CUR05	100	**Currency Code**	O	ID	3/3	Not Used

Description: Code (Standard ISO) for country in whose currency the charges are specified

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	CUR06	669	**Currency Market/Exchange Code**	O	ID	3/3	Not Used

Description: Code identifying the market upon which the currency exchange rate is based

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	CUR07	374	**Date/Time Qualifier**	C	ID	3/3	Not Used

Description: Code specifying type of date or time, or both date and time

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	CUR08	373	**Date**	O	DT	6/6	Not Used

Description: Date (YYMMDD)

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	CUR09	337	**Time**	O	TM	4/8	Not Used

Description: 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)

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	CUR10	374	**Date/Time Qualifier**	C	ID	3/3	Not Used

Description: Code specifying type of date or time, or both date and time

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	CUR11	373	**Date**	C	DT	6/6	Not Used

Description: Date (YYMMDD)

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	CUR12	337	**Time**	C	TM	4/8	Not Used

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or

<u>Ref</u>	<u>Id</u>	**Element Name**	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		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)				
* CUR13	374	**Date/Time Qualifier**	C	ID	3/3	Not Used
		Description: Code specifying type of date or time, or both date and time				
* CUR14	373	**Date**	C	DT	6/6	Not Used
		Description: Date (YYMMDD)				
* CUR15	337	**Time**	C	TM	4/8	Not Used
		Description: 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)				
* CUR16	374	**Date/Time Qualifier**	C	ID	3/3	Not Used
		Description: Code specifying type of date or time, or both date and time				
* CUR17	373	**Date**	C	DT	6/6	Not Used
		Description: Date (YYMMDD)				
* CUR18	337	**Time**	C	TM	4/8	Not Used
		Description: 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)				
* CUR19	374	**Date/Time Qualifier**	C	ID	3/3	Not Used
		Description: Code specifying type of date or time, or both date and time				
* CUR20	373	**Date**	C	DT	6/6	Not Used
		Description: Date (YYMMDD)				
* CUR21	337	**Time**	C	TM	4/8	Not Used
		Description: 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)				

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.

11. C1816 - If CUR18 is present, then CUR16 is required.

12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.

13. C2019 - If CUR20 is present, then CUR19 is required.

14. C2119 - If CUR21 is present, then CUR19 is required.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

REF Reference Identification

<table>
<tr><td>Pos: 225</td><td>Max: >1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: CTP</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Required

Description: Code Qualifying the Reference Identification

Code	Name
11	Account Number

Description: *Number identifies a telecommunications industry account*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	C	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User: *If REF01 is '11' then the value in this element must be the SAN.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* REF03	352	**Description**	C	AN	1/80	Not Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* REF04	C040	**Reference Identifier**	O	Comp		Not Used

Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	128	**Reference Identification Qualifier**	M	ID	2/3	Not Used

Description: Code Qualifying the Reference Identification

Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	127	**Reference Identification**	M	AN	1/30	Not Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	128	**Reference Identification Qualifier**	C	ID	2/3	Not Used

Description: Code Qualifying the Reference Identification

Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	127	**Reference Identification**	C	AN	1/30	Not Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	128	**Reference Identification Qualifier**	C	ID	2/3	Not Used

Description: Code Qualifying the Reference Identification

Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	127	**Reference Identification**	C	AN	1/30	Not Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

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

G43   Promotion/Price List Area

<table>
<tr><td>Pos: 227</td><td>Max: 9999</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: CTP</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify the geographic area in which a promotion or price is in effect

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4301	771	**Market Area Code Qualifier**	M	ID	1/3	Required

      Description: Code qualifying the identifier represented in "Market Area Code Identifier (767)"

Code	Name
001	Pricing Market
006	All Stores

      Description: *All retail stores within a market area*

Code	Name
009	State Abbreviation Code
010	Zip Code
011	Zip Code Beginning Value
012	Zip Code Ending Value

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4302	767	**Market Area Code Identifier**	O	AN	1/12	Used

      Description: A unique identification of a market area

      User: *Code list will be developed by the Title/Status Committee.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* G4303	352	**Description**	O	AN	1/80	Not Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4304	687	**Class of Trade Code**	O	ID	2/2	Used

      Description: Code indicating class of trade

Code	Name
AG	Agent
DI	Distributor
IN	Institutional
TR	General Trade

Semantics:

1. If G4301 is "001", "002", or "004", then G4302 is required. If G4301 is "003", then G4303 is required.

Loop Name

Pos: 230	**Repeat: 200**
Optional	
Loop: N1	**Elements: N/A**

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
230	N1	Name	O	1		Used
240	N2	Additional Name Information	O	2		Not Rec'd
250	N3	Address Information	O	2		Not Rec'd
260	N4	Geographic Location	O	1		Not Rec'd

User:

The 'N1' segment should be used to specify the name and SAN of the source (agent / distributor / wholesaler). If the SAN is not available then segments 'N2', 'N3', and 'N4' should be used to specify the source's address.

N1 Name

<div style="border:1px solid black">

Pos: 230   **Max: 1**

Detail - Optional

Loop: N1   **Elements: 6**

</div>

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/2	Required

Description: Code identifying an organizational entity, a physical location, or an individual

Code Name
AG   Agent/Agency
DS   Distributor
WL   Wholesaler

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	C	AN	1/35	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	C	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)

Code Name
15   Standard Address Number (SAN)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	C	AN	2/20	Used

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N105	706	**Entity Relationship Code**	O	ID	2/2	Used

Description: Code describing entity relationship

Code Name
17   Product Line

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N106	98	**Entity Identifier Code**	O	ID	2/2	Used

Description: Code identifying an organizational entity, a physical location, or an individual

Code Name
M8   Educational Institution
Q3   Retail Account

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2. N105 and N106 further define the type of entity in N101.

User:

The 'N1' segment should be used to specify the name and SAN of the source (agent / distributor / wholesaler). If the SAN is not available then segments 'N2', 'N3', and 'N4' should be used to specify the source's address.

N2 Additional Name Information

Pos: 240	Max: 2
Detail - Optional	
Loop: N1	**Elements: 2**

User Option (Usage): Not Rec'd

Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/35	Required
		Description: Free-form name				
N202	93	**Name**	O	AN	1/35	Used
		Description: Free-form name				

N3　Address Information

Pos: 250	**Max: 2**
Detail - Optional	
Loop: N1	**Elements: 2**

User Option (Usage): Not Rec'd

Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/35	Required
		Description: Address information				
N302	166	**Address Information**	O	AN	1/35	Used
		Description: Address information				

N4 Geographic Location

User Option (Usage): Not Rec'd

Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used

Description: Free-form text for city name

| N402 | 156 | **State or Province Code** | O | ID | 2/2 | Used |

Description: Code (Standard State/Province) as defined by appropriate government agency

| N403 | 116 | **Postal Code** | O | ID | 3/15 | Used |

Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

| N404 | 26 | **Country Code** | O | ID | 2/3 | Used |

Description: Code identifying the country

| * N405 | 309 | **Location Qualifier** | C | ID | 1/2 | Used |

Description: Code identifying type of location

| * N406 | 310 | **Location Identifier** | O | AN | 1/30 | Used |

Description: Code which identifies a specific location

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used

Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Required

Description: Total number of line items in the transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT02	347	**Hash Total**	O	R	1/10	Used

Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.Example:-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* CTT03	81	**Weight**	C	R	1/10	Not Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* CTT04	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Not Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* CTT05	183	**Volume**	C	R	1/8	Not Used

Description: Value of volumetric measure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* CTT06	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Not Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* CTT07	352	**Description**	O	AN	1/80	Not Used

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

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Used

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)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Required

> **Description:** Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Required

> **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

1. SE is the last segment of each transaction set.

Appendix

All Included Elements in All Included Segments

<u>Id</u>	<u>Elements</u>	<u>Used in Segments</u>
C001	Composite Unit of Measure	CTP, SLN
19	City Name	N4
26	Country Code	N4
65	Height	PO4
66	Identification Code Qualifier	N1
67	Identification Code	N1
82	Length	PO4
93	Name	N1, N2, PER
96	Number of Included Segments	SE
98	Entity Identifier Code	CUR, N1
100	Currency Code	CUR
103	Packaging Code	PO4
116	Postal Code	N4
127	Reference Identification	REF
128	Reference Identification Qualifier	REF
143	Transaction Set Identifier Code	ST
156	State or Province Code	N4
166	Address Information	N3
187	Weight Qualifier	PO4
189	Width	PO4
212	Unit Price	CTP
234	Product/Service ID	LIN, SLN
235	Product/Service ID Qualifier	LIN, SLN
236	Price Identifier Code	CTP, G40
329	Transaction Set Control Number	SE, ST
347	Hash Total	CTT
349	Item Description Type	PID
350	Assigned Identification	LIN, SLN
352	Description	CTB, PID
353	Transaction Set Purpose Code	BCT
354	Number of Line Items	CTT
355	Unit or Basis for Measurement Code	CTP, PO4, SLN
356	Pack	PO4
364	Communication Number	PER
365	Communication Number Qualifier	PER
366	Contact Function Code	PER
373	Date	DTM
374	Date/Time Qualifier	DTM
380	Quantity	CTB, CTP, SLN
384	Gross Weight per Pack	PO4
418	Item List Cost - New	G40

Id	Elements	Used in Segments
419	Item List Cost - Old	G40
559	Agency Qualifier Code	PID
648	Price Multiplier Qualifier	CTP
649	Multiplier	CTP
662	Relationship Code	SLN
673	Quantity Qualifier	CTB
683	Catalog Purpose Code	BCT
684	Catalog Number	BCT
685	Catalog Version Number	BCT
686	Catalog Revision Number	BCT
687	Class of Trade Code	CTP, G43
688	Restrictions/Conditions Qualifier	CTB
706	Entity Relationship Code	N1
751	Product Description Code	PID
767	Market Area Code Identifier	G43
771	Market Area Code Qualifier	G43
810	Inner Pack	PO4
875	Maintenance Type Code	G53