

# **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:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - LIN</b>					<b>700000</b>		
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
<b>LOOP ID - CTP</b>					<b>100</b>		
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
<b>LOOP ID - N1</b>					<b>200</b>		
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:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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:

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

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

**Code Name**

832 X12.13 Price/Sales Catalog

ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Required
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**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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BCT01	683	<b>Catalog Purpose Code</b>	M	ID	2/2	Required
		<b>Description:</b> Code indicating purpose of catalog				
		<u>Code</u> <u>Name</u>				
		RC Resale Catalog				
BCT02	684	<b>Catalog Number</b>	O	AN	1/15	Used
		<b>Description:</b> Identifying number for catalog or superseded catalog				
BCT03	685	<b>Catalog Version Number</b>	O	AN	1/15	Used
		<b>Description:</b> Identifying version number of catalog or superseded catalog				
		<b>User:</b> <i>The content is at the option of the submitter. After this is the date of submission in the format (MMDDYY).</i>				
BCT04	686	<b>Catalog Revision Number</b>	O	AN	1/6	Used
		<b>Description:</b> Identifying revision number of catalog or superseded catalog				
* BCT05	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
* BCT06	684	<b>Catalog Number</b>	O	AN	1/15	Not Used
		<b>Description:</b> Identifying number for catalog or superseded catalog				
* BCT07	685	<b>Catalog Version Number</b>	O	AN	1/15	Not Used
		<b>Description:</b> Identifying version number of catalog or superseded catalog				
* BCT08	686	<b>Catalog Revision Number</b>	O	AN	1/6	Not Used
		<b>Description:</b> Identifying revision number of catalog or superseded catalog				
* BCT09	352	<b>Description</b>	O	AN	1/80	Not Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
BCT10	353	<b>Transaction Set Purpose Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying purpose of transaction set				
		<u>Code</u> <u>Name</u>				
		00 Original				
		<b>Description:</b> <i>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.</i>				

<b><u>Code</u></b>	<b><u>Name</u></b>
01	Cancellation
02	Add
03	Delete
04	Change

# PER Administrative Communications Contact

Pos: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 9

**User Option (Usage):** Used

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

## Element Summary:

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

PER02	93	Name	O	AN	1/35	Used
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**Description:** Free-form name

PER03	365	Communication Number Qualifier	C	ID	2/2	Used
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**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

PER04	364	Communication Number	C	AN	1/80	Used
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**Description:** Complete communications number including country or area code when applicable

PER05	365	Communication Number Qualifier	C	ID	2/2	Used
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**Description:** Code identifying the type of communication number

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

PER06	364	Communication Number	C	AN	1/80	Used
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**Description:** Complete communications number including country or area code when applicable

PER07	365	Communication Number Qualifier	C	ID	2/2	Used
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**Description:** Code identifying the type of communication number

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

PER08	364	Communication Number	C	AN	1/80	Used
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Complete communications number including country or area code when applicable				
* PER09	443	<b>Contact Inquiry Reference</b>	O	AN	1/20	Used
		<b>Description:</b> 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

<b>Pos: 010</b>	<b>Repeat: 700000</b>
<b>Optional</b>	
<b>Loop: LIN</b>	<b>Elements: N/A</b>

**User Option (Usage):** Used

**Purpose:** To specify basic item identification data

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN01	350	Assigned Identification	O	AN	1/20	Used
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Required

**Description:** Alphanumeric characters assigned for differentiation within a transaction set

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

**Code Name**

- AI Alternate ISBN  
**User:**  
ISBN-10
- B2 Library of Congress Code
- B7 Publisher Code  
**Description:** *Publishers short title for ordering.*
- 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..*
- EN European Article Number (EAN) (2-5-5-1)  
**User:**  
ISBN-13
- F6 First Prior Identifier
- F9 Former Publisher
- IB International Standard Book Number (ISBN)  
**User:**  
ISBN-10
- IM Imprint (Trademark Code of Subsidiary)
- IS International Standard Serial Number (ISSN)
- RR Replacement Product No.  
**User:**  
Alternate/Replacement ISBN-13
- RU Run Number
- S2 Second Prior Identifier
- SR Substitute Product Number  
**User:**  
Alternate/Replacement UCC/EAN-13
- 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	<b>Product/Service ID</b>	M	AN	1/40	Required
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**Description:** Identifying number for a product or service

LIN04	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
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**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	<b>Product/Service ID</b>	C	AN	1/40	Used
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**Description:** Identifying number for a product or service

LIN06	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
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**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	<b>Product/Service ID</b>	C	AN	1/40	Used
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**Description:** Identifying number for a product or service

LIN08	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
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**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	<b>Product/Service ID</b>	C	AN	1/40	Used
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**Description:** Identifying number for a product or service

LIN10	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
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**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	<b>Product/Service ID</b>	C	AN	1/40	Used
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**Description:** Identifying number for a product or service

LIN12	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
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**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	<b>Product/Service ID</b>	C	AN	1/40	Used
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
LIN14	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> See code list specified in 'LIN02' for usage.				
LIN15	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
LIN16	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> See code list specified in 'LIN02' for usage.				
LIN17	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
LIN18	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> See code list specified in 'LIN02' for usage.				
LIN19	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
LIN20	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> See code list specified in 'LIN02' for usage.				
LIN21	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
LIN22	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> See code list specified in 'LIN02' for usage.				
LIN23	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
LIN24	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> See code list specified in 'LIN02' for usage.				
LIN25	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
LIN26	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> See code list specified in 'LIN02' for usage.				
LIN27	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
LIN28	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> See code list specified in 'LIN02' for usage.				
LIN29	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
LIN30	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> See code list specified in 'LIN02' for usage.				
LIN31	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> 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:

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

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

**User Option (Usage):** Used

**Purpose:** To specify product subline detail item data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN01	350	<b>Assigned Identification</b>	M	AN	1/20	Required
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set						
<b>User:</b> Recommend use LIN01 Number.						
* SLN02	350	<b>Assigned Identification</b>	O	AN	1/20	Not Used
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set						
SLN03	662	<b>Relationship Code</b>	M	ID	1/1	Required
<b>Description:</b> Code indicating the relationship between entities						
<b>Code Name</b>						
I      Included						
SLN04	380	<b>Quantity</b>	M	R	1/15	Required
<b>Description:</b> Numeric value of quantity						
SLN05	C001	<b>Composite Unit of Measure</b>	M	Comp		Required
<b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)						
	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>Code Name</b>						
12      Packet						
BK      Book						
PH      Pack (PAK)						
PK      Package						
ST      Set						
*	1018	<b>Exponent</b>	O	R	1/15	Not Used
<b>Description:</b> Power to which a unit is raised						
*	649	<b>Multiplier</b>	O	R	1/10	Not Used
<b>Description:</b> Value to be used as a multiplier to obtain a new value						
*	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Not Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
*	1018	<b>Exponent</b>	O	R	1/15	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Power to which a unit is raised				
*	649	<b>Multiplier</b>	O	R	1/10	Not Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
*	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	<b>Exponent</b>	O	R	1/15	Not Used
		<b>Description:</b> Power to which a unit is raised				
*	649	<b>Multiplier</b>	O	R	1/10	Not Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
*	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	<b>Exponent</b>	O	R	1/15	Not Used
		<b>Description:</b> Power to which a unit is raised				
*	649	<b>Multiplier</b>	O	R	1/10	Not Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
*	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	<b>Exponent</b>	O	R	1/15	Not Used
		<b>Description:</b> Power to which a unit is raised				
*	649	<b>Multiplier</b>	O	R	1/10	Not Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
* SLN06	212	<b>Unit Price</b>	C	R	1/17	Not Used
		<b>Description:</b> Price per unit of product, service, commodity, etc.				
* SLN07	639	<b>Basis of Unit Price Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code identifying the type of unit price for an item				
* SLN08	662	<b>Relationship Code</b>	O	ID	1/1	Not Used
		<b>Description:</b> Code indicating the relationship between entities				
SLN09	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code Name</b>				
		EN European Article Number (EAN) (2-5-5-1)				

Code	Name					
	<b>User:</b> ISBN-13					
IB	International Standard Book Number (ISBN)					
	<b>User:</b> ISBN-10					
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)					
	<b>Description:</b> 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					
	<b>User:</b> UCC/EAN-14					
UP	U.P.C. Consumer Package Code (1-5-5-1)					
SLN10	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
SLN11	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> Refer to code list specified in 'SLN09' for usage.				
SLN12	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
SLN13	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> Refer to code list specified in 'SLN09' for usage.				
SLN14	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
SLN15	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> Refer to code list specified in 'SLN09' for usage.				
SLN16	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
SLN17	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> Refer to code list specified in 'SLN09' for usage.				
SLN18	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN19	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> Refer to code list specified in 'SLN09' for usage.				
SLN20	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
SLN21	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> Refer to code list specified in 'SLN09' for usage.				
SLN22	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
SLN23	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> Refer to code list specified in 'SLN09' for usage.				
SLN24	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
SLN25	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> Refer to code list specified in 'SLN09' for usage.				
SLN26	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> Identifying number for a product or service				
SLN27	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>User:</b> Refer to code list specified in 'SLN09' for usage.				
SLN28	234	<b>Product/Service ID</b>	C	AN	1/40	Used
		<b>Description:</b> 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b>	M	ID	3/3	Required
<b>Description:</b> Code specifying type of date or time, or both date and time						
<b>Code Name</b>						
007 Effective <b>Description:</b> <i>New price effective date.</i>						
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 <b>Description:</b> <i>Out of Print date</i>						
604 Withdrawn <b>Description:</b> <i>Publication cancellation date</i>						
DTM02	373	<b>Date</b>	X	DT	8/8	Required
<b>Description:</b> Date expressed as CCYYMMDD						
* DTM03	337	<b>Time</b>	C	TM	4/8	Not Used
<b>Description:</b> 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	<b>Time Code</b>	O	ID	2/2	Not Used
<b>Description:</b> 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	<b>Date Time Period Format Qualifier</b>	C	ID	2/3	Not Used
<b>Description:</b> Code indicating the date format, time format, or date and time format						
* DTM07	1251	<b>Date Time Period</b>	C	AN	1/35	Not Used
<b>Description:</b> 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTB01	688	<b>Restrictions/Conditions Qualifier</b>	M	ID	2/2	Required
		<b>Description:</b> Code identifying the type of restriction/condition				
		<b>Code Name</b>				
		NR Nonreturnable				
		OR Ordering				
CTB02	352	<b>Description</b>	C	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
		<b>User:</b> <i>Returnable Indicators include:</i>				
		<i>Y = Yes, returnable, full copies only</i>				
		<i>N = No, not returnable</i>				
		<i>C = Conditional, contact publisher for requirements and/or authorization.</i>				
		<i>S = Yes, returnable, stripped cover</i>				
CTB03	673	<b>Quantity Qualifier</b>	C	ID	2/2	Used
		<b>Description:</b> Code specifying the type of quantity				
CTB04	380	<b>Quantity</b>	C	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
* CTB05	522	<b>Amount Qualifier Code</b>	C	ID	1/2	Not Used
		<b>Description:</b> Code to qualify amount				
* CTB06	610	<b>Amount</b>	C	N2	1/15	Not Used
		<b>Description:</b> 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

Pos: 070	Max: 200
Detail - Optional	
Loop: LIN	Elements: 9

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	<b>Item Description Type</b>	M	ID	1/1	Required
<b>Description:</b> Code indicating the format of a description						
<b>Code Name</b>						
S Structured (From Industry Code List)						
X Semi-structured (Code and Text)						
* PID02	750	<b>Product/Process Characteristic Code</b>	O	ID	2/3	Not Used
<b>Description:</b> Code identifying the general class of a product or process characteristic						
PID03	559	<b>Agency Qualifier Code</b>	C	ID	2/2	Used
<b>Description:</b> Code identifying the agency assigning the code values						
<b>Code Name</b>						
BI Book Industry Systems Advisory Committee						
PID04	751	<b>Product Description Code</b>	C	AN	1/12	Used
<b>Description:</b> A code from an industry code list which provides specific data about a product characteristic						
<b>Code Name</b>						
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 -						
<b>Description:</b> <i>Geographic distribution and distribution restrictions practiced by the publisher. See Code List in PID05</i>						
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 -						
<b>Description:</b> <i>describes the nature of the text or work. See descriptions in PID05</i>						
LA Language -						
<b>Description:</b> <i>The language in which the books is written is coded using ISO 639:1988, Code for the Representation of Names of Languages</i>						
LT Library type - See description in PID05						
NV Number of Volumes						
PA Number of Pages						

<b>Code</b>	<b>Name</b>
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 <b>Description:</b> <i>Former publisher may follow in the 352 element</i>
AWC	Award Code - <b>Description:</b> <i>The following PID05 identifies the award for which the book was nominated or had won.</i>
AWD	Award Dispensation - <b>Description:</b> <i>The following PID05 identifies whether the book in question won the award, or was nominated for the award. See code list in PID05.</i>
AWY	Award Year - was won/nominated by the book in question. Styled as follows: YYYY or YYYY-YY. <b>Description:</b> <i>The following PID05 identifies the year(s) the award</i>
FBP	The Format/Binding/Packaging Code - See Code List in PID05
AFnn	Author/Contributor affiliation <b>Description:</b> <i>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.</i>
PDnn	Publisher Discount Group Code, <b>Description:</b> <i>where "nn" = 01-99 in case the text is greater than 80 bytes.</i>
SEnn	Series Title, <b>Description:</b> <i>where "nn" = 01-99 in case the series title is greater than 80 bytes.</i>
STnn	Subtitle, <b>Description:</b> <i>where "nn" = 01-99 in case the subtitle is greater than 80 bytes.</i>
SUnn	BISAC Subject Codes, <b>Description:</b> <i>where "nn" = 01-99. See Section 8.0 of the frontmatter for reference</i>
TFnn	Contributor Type Codes, <b>Description:</b> <i>where T=Type, F=Function, and nn=Sequence Number. See Code List PID05.</i>
BDfnn	Birthdate Date in the YYYYMMDD format, <b>Description:</b> <i>where fnn identifies the author/contributor for whom the birth date applies. E.g. PID04 = BDA01, PED05 = 19220312.</i>
DDfnn	Death Date in YYYYMMDD format, <b>Description:</b> <i>where fnn identifies the author/contributor for whom the death date applies. E.g. PID04 = DDA01, PID05 = 19690704.</i>
DOCnn	Description of Content, <b>Description:</b> <i>where "nn" = 01-99 in case the text is greater than 80 bytes.</i>
PRInn	Proprietary Information, <b>Description:</b> <i>where "nn" = 01-99 in case the text is greater than 80 bytes.</i>
PROnn	Promotional Information, <b>Description:</b> <i>where "nn" = 01-99 in case the text is greater than 80 bytes.</i>

<b><u>Code</u></b>	<b><u>Name</u></b>
TOCnn	Table of Contents, <b>Description:</b> where "nn" = 01-99 in case the table of contents information is greater than 80 bytes. See Code List inPID05
DUIxnn	Display Unit Indicator, <b>Description:</b> 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, <b>Description:</b> 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



<u>Code</u>	<u>Name</u>
	<p><b>Description:</b> 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.</p> <p>Examples:</p> <p>Age 4-7 = 0407;</p> <p>Age 5 &amp; up = 05UP;</p> <p>Age 10 = 1000;</p> <p>Up to Age 8 = 0008</p>
BC	<p>Binding Material Color</p> <p><b>Description:</b> BEI = Beige</p> <p>BLA = Black</p> <p>BLU = Blue</p> <p>BLD = Blue, Dark</p> <p>BLL = Blue, Light</p> <p>BRN = Brown</p> <p>BUR = Burgundy</p> <p>GRA = Gray</p> <p>GRE = Green</p> <p>GRD = Green, Dark</p> <p>GRL = Green, Light</p> <p>IVY = Ivory</p> <p>PNK = Pink</p> <p>PUR = Purple</p> <p>RED = Red</p> <p>RDD = Red, Dark</p> <p>REL = Red, Light</p> <p>TEA = Teal</p>

<b><u>Code</u></b>	<b><u>Name</u></b>
	<i>WHI = White</i>
	<i>YEL = Yellow</i>
BS	Binding Style
	<b>Description:</b> <i>BEV = Beveled</i>
	<i>CHV = Chevo (Endsheet Material With Protective Plastic Varnish)</i>
	<i>DIE = Die Cut</i>
	<i>FIL = Fillet</i>
	<i>FIN = Finish Cut</i>
	<i>FSH = Flush Cut</i>
	<i>LAM = Laminated</i>
	<i>MOI = Moire</i>
	<i>OVL = Overlap (Approx. 1/8 in.)</i>
	<i>PAD = Padded Cover</i>
	<i>SNP = Snap Flap</i>
	<i>TUR = Turned Edge</i>
	<i>ZIP = Zipper Closing</i>
DI	Distribution Codes
	<b>Description:</b> <i>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)</i>
	<i>OTH = Other (contact publisher for details)</i>
	<i>USA = Distribution in the U.S. only</i>
	<i>CAN = Distribution in Canada only</i>
	<i>UK = Distribution in the United Kingdom only</i>
	<i>OM = Distribution in the Open Market only</i>
	<i>WWD = Distribution Worldwide</i>
	<i>USC = Distribution in the U.S and Canada only</i>
	<i>USK = Distribution in the U.S and U.K. only</i>
	<i>CUK = Distribution in Canada and U.K. only</i>
	<i>UCK = Distribution in the U.S., Canada and U.K. only</i>
	<i>USO = Distribution in the U.S. and Open Market only</i>
	<i>UCO = Distribution in U.S., Canada and Open Market only</i>

**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 Philippines. 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*

<u>Code</u>	<u>Name</u>
	<i>REV = Revised</i>
	<i>TRN = Translated</i>
	<i>UNX = Unexpurgated</i>
	<i>VAR = Variorum</i>
GR	Grade Range is configured as follows <b>Description:</b> <i>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.</i>  <i>Examples:</i>  <i>Grades 3-6 = 0306;</i>  <i>Grade 5 &amp; up = 05UP;</i>  <i>Pre-school - 1 = 0P01;</i>  <i>Kindergarten - 2 = 0K02;</i>  <i>Up to Grade 6 = 0006</i>
IM	Information Media Type <b>Description:</b> <i>A = Audio</i>  <i>B = Book</i>  <i>C = Calendar</i>  <i>D = Diskette</i>  <i>E = Ebook</i>  <i>F = Film</i>  <i>J = Journal</i>  <i>K = Maps</i>  <i>M = Microform</i>  <i>N = Books &amp; Things</i>  <i>O = Other</i>  <i>R = CD-ROM</i>  <i>V = DVD/Video</i>

<b><u>Code</u></b>	<b><u>Name</u></b>
IT	Item Type descriptions <b>Description:</b> <i>abstracts &amp; extracts</i>
	<i>anthology</i>
	<i>atlas</i>
	<i>bibliography, index, discography</i>
	<i>big type</i>
	<i>biographical dictionary</i>
	<i>braille</i>
	<i>casebook</i>
	<i>catalog</i>
	<i>collected articles -- not previously published (npp)</i>
	<i>collected articles -- previously published (pp)</i>
	<i>collected works</i>
	<i>combination of npp and pp articles</i>
	<i>combination of original and translated articles</i>
	<i>commentary</i>
	<i>concordance</i>
	<i>data book/tables</i>
	<i>dictionary, multiple language</i>
	<i>dictionary, single language</i>
	<i>directory</i>
	<i>dissertation</i>
	<i>documentary collection</i>
	<i>encyclopedia</i>
	<i>facsimile</i>
	<i>general book</i>
	<i>grammar</i>
	<i>handbook</i>
	<i>indexing system</i>
	<i>journal monograph</i>

<b><u>Code</u></b>	<b><u>Name</u></b>
	<i>multi-author text</i>
	<i>musical score</i>
	<i>selected works</i>
	<i>supplementary course monograph</i>
	<i>symposium proceedings</i>
	<i>thesaurus</i>
	<i>translated articles</i>
LT	Library Type descriptions
	<b>Description:</b> <i>academic research</i>
	<i>academic</i>
	<i>community college</i>
	<i>corporate</i>
	<i>federal</i>
	<i>highly specialized collection</i>
	<i>law</i>
	<i>medical</i>
	<i>popular collection</i>
	<i>public</i>
	<i>state</i>
	<i>theological</i>
PC	Page Edging Color
	<b>Description:</b> <i>AMB = Amber</i>
	<i>BEI = Beige</i>
	<i>BLA = Black</i>
	<i>BLU = Blue</i>
	<i>BRN = Brown</i>
	<i>BUR = Burgundy</i>
	<i>GOL = Gold</i>
	<i>GRA = Gray</i>
	<i>GRE = Green</i>
	<i>IVY = Ivory</i>

<u>Code</u>	<u>Name</u>
	<i>PNK = Pink</i>
	<i>PUR = Purple</i>
	<i>RED = Red</i>
	<i>SIL = Silver</i>
	<i>TEA = Teal</i>
	<i>WHI = White</i>
PE	Page Edging
	<b>Description:</b> <i>GIL = Gilded</i>
	<i>PLA = Plain</i>
	<i>SPR = Sprayed</i>
	<i>STA = Stained</i>
SA	Status Codes
	<b>Description:</b> <i>ACT = Active</i>
	<i>NL = No longer Our Publication (this field to be used in conjunction with CURRENT PUBLISHER field in LIN03)</i>
	<i>NOP = Not Our Publication (this field to be used in conjunction with CURRENT PUBLISHER, if known, in LIN03)</i>
	<i>NYP = Not Yet Published</i>
	<i>OD = On Demand</i>
	<i>OP = Out of Print</i>
	<i>OS = Temporarily out of Stock</i>
	<i>OSI = Out of Stock Indefinitely</i>
	<i>PC = Publication Cancelled</i>
	<i>RMyyymmdd = Remainder with a Y2K status date</i>
SB	Special Bible Features
	<b>Description:</b> <i>ANNO = Annotated</i>
	<i>ARTC = Articles</i>
	<i>CHRT = Charts</i>
	<i>CRON = Chronological Bibles</i>
	<i>CONC = Concordance</i>
	<i>XREF = Cross References</i>

<u>Code</u>	<u>Name</u>
	<i>DREE = Daily Reading Editions</i>
	<i>DEVR = Devotional Readings</i>
	<i>DICT = Dictionary</i>
	<i>FAMY = Family Records Section</i>
	<i>HARM = Gospel Harmonies</i>
	<i>ICON = Icons</i>
	<i>IEND = Illustrated Endsheets</i>
	<i>INOT = Interlinear</i>
	<i>MAPB = Maps in Back</i>
	<i>MAPT = Maps in Test</i>
	<i>MCOL = Multi-Colored</i>
	<i>NDIC = Name Dictionaries</i>
	<i>PARL = Parallel</i>
	<i>PEW = Pew</i>
	<i>PHON = Phonetic</i>
	<i>PPAG = Presentation Page</i>
	<i>PULP = Pulpit</i>
	<i>SIDX = Saints Index</i>
	<i>SNOT = Study Notes</i>
	<i>TIDX = Thumb Indexed</i>
	<i>WMAR = Wide Margins</i>
	<i>WAPO = With Apocrypha</i>
	<i>WMAG = With Magnifier</i>
	<i>WBCP = With the Book of Common Prayer</i>
	<i>WCRD = Words of Christ In Red</i>
TR	Bible Translation
	<b>Description:</b> <i>J21 = 21st Century King James</i>
	<i>ASV = American Standard Bible</i>
	<i>AMP = Amplified Bible</i>
	<i>BBE = Bible In Basic English</i>

**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.*

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

**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*

<u>Code</u>	<u>Name</u>
	046 = <i>New York Times Notable Books of the Year</i>
	<i>Newbery Medal see John Newbery Medal</i>
	047 = <i>Parents' Choice Award for Illustration in Children's Books</i>
	048 = <i>PEN/Faulkner Award for Fiction</i>
	049 = <i>Phi Beta Kappa Award in Science</i>
	050 = <i>Prix Goncourt</i>
	051 = <i>Publishers Weekly Best Books of the Year</i>
	052 = <i>Pulitzer Prizes</i>
	053 = <i>Randolph Caldecott Medal</i>
	054 = <i>Romance Writers of America Awards</i>
	055 = <i>School Library Journal Best Books of the Year</i>
	056 = <i>Science Fiction Writers of America Nebula Awards</i>
	057 = <i>Spur Awards</i>
	058 = <i>Western Heritage Awards (Wrangler Award)</i>
	<i>Western Writers of America Spur Awards see Spur Awards</i>
	059 = <i>Whitbread Literary Awards</i>
	060 = <i>William Carlos Williams Award</i>
	061 = <i>World Science Fiction Convention Hugo Awards</i>
	062 = <i>Writers Guild of America West Awards</i>
	999 = <i>OTHER [specify in PID05]</i>
AWD	Award Dispensation <b>Description:</b> <i>N = Nominated</i>
	<i>W = Winner</i>
FBP	Format/Binding/Packaging Codes <b>Description:</b> <i>The following codes should be used only when the media type (IM) of the product = AUDIO (A):</i>
	<i>AA = Analog Audio Cassette</i>
	<i>CD = Compact Disk</i>
	<i>DA = Digital Audio Cassette</i>
	<i>OO = Other</i>
	<i>TA = Tape, Reel</i>

**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*

<u>Code</u>	<u>Name</u>
	<i>The following codes should be used only when the media type (IM) of the product = DVD/Video (V):</i>
	<i>BM = Betamax</i>
	<i>DV = DVD</i>
	<i>OO = Other</i>
	<i>VD = Video, VHS format</i>
	<i>VK = Video Disk</i>
TOC	Table of Contents Codes
	<b>Description:</b> <i>a = Pre-chapter Heads</i>
	<i>b = Group Headings (Part 1, for instance)</i>
	<i>c = Chapter Head (Chapter 1, 2, etc...)</i>
	<i>d = Chapter Sub-head (Primary division within the chapter)</i>
	<i>e = Chapter Sub-sub-head (Secondary division within the chapter)</i>
	<i>nf = Name Function. The name of the contributor(s) for the portion of the work in question, followed by the function that person serves.</i>
	<i>Styling and coding should be as in the regular contributor/function elements.</i>
	<i>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, appendices, and other post-chapter listings.</i>
	<i>x = Page Number (Roman or numeric only - no "page" label. No qualifying numbers.)</i>
	<i>y = Number of Pages Contained in the Referenced Portion. As with "x", no qualifying numbers are needed.</i>
	<i>z = Post-chapter heads.</i>
TFnn	Author/Contributor Type Codes
	<b>Description:</b> <i>P = Personal (presently this is the assumed type)</i>
	<i>C = Corporation</i>
	<i>M = Meeting</i>

**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	<b>Surface/Layer/Position Code</b>	O	ID	2/2	Not Used
<b>Description:</b> Code indicating the product surface, layer or position that is being described						
* PID07	822	<b>Source Subqualifier</b>	O	AN	1/15	Not Used
<b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier						
* PID08	1073	<b>Yes/No Condition or Response Code</b>	O	ID	1/1	Not Used
<b>Description:</b> Code indicating a Yes or No condition or response						
* PID09	819	<b>Language Code</b>	O	ID	2/3	Not Used
<b>Description:</b> 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	<b>Pack</b>	O	N0	1/6	Used
<b>Description:</b> Number of inner pack units per outer pack unit						
* PO402	357	<b>Size</b>	C	R	1/8	Not Used
<b>Description:</b> Size of supplier units in pack						
PO403	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>Code Name</b>						
KG Kilogram						
LB Pound						
PO404	103	<b>Packaging Code</b>	C	AN	3/5	Used
<b>Description:</b> Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material						
<b>User:</b> CTN25 - Carton, corrugated or solid						
CTN71 - Carton, not otherwise specified						
ENV71 - Envelope not otherwise specified						
<b>Code Name</b>						
CTN Carton						
<b>User:</b>						
CTN25 - Carton, corrugated or solid						
CTN71 - Carton, not otherwise specified						
ENV Envelope						
<b>User:</b>						
ENV71 - Envelope not otherwise specified						
<b>Code Name</b>						
25 Corrugated or Solid						
71 Not Otherwise Specified						
PO405	187	<b>Weight Qualifier</b>	O	ID	1/2	Used
<b>Description:</b> Code defining the type of weight						
<b>Code Name</b>						
G Gross Weight						
PO406	384	<b>Gross Weight per Pack</b>	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>
		<b>Description:</b> Numeric value of gross weight per pack				
		<b>User:</b> For Book				
PO407	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>User:</b> For Book				
		<b>Code Name</b>				
		KG Kilogram				
		LB Pound				
* PO408	385	<b>Gross Volume per Pack</b>	C	R	1/9	Not Used
		<b>Description:</b> Numeric value of gross volume per pack				
* PO409	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
PO410	82	<b>Length</b>	C	R	1/8	Used
		<b>Description:</b> Largest horizontal dimension of an object measured when the object is in the upright position				
PO411	189	<b>Width</b>	C	R	1/8	Used
		<b>Description:</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
PO412	65	<b>Height</b>	C	R	1/8	Used
		<b>Description:</b> Vertical dimension of an object measured when the object is in the upright position				
PO413	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>Code Name</b>				
		CM Centimeter				
		IN Inch				
PO414	810	<b>Inner Pack</b>	O	N0	1/6	Used
		<b>Description:</b> Number of units in each selling pack				
* PO415	752	<b>Surface/Layer/Position Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code indicating the product surface, layer or position that is being described				
* PO416	350	<b>Assigned Identification</b>	C	AN	1/20	Not Used
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				
* PO417	350	<b>Assigned Identification</b>	O	AN	1/20	Not Used
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				

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

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP01	687	<b>Class of Trade Code</b>	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

CTP02	236	<b>Price Identifier Code</b>	C	ID	3/3	Used
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**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

CTP03	212	<b>Unit Price</b>	O	R	1/17	Used
-------	-----	-------------------	---	---	------	------

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP04	380	<b>Quantity</b>	C	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
CTP05	C001	<b>Composite Unit of Measure</b>	C	Comp		Used
		<b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Required
		<b>Description:</b> 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>			
		CT	Carton			
		ST	Set			
		UN	Unit			
*	1018	<b>Exponent</b>	O	R	1/15	Not Used
		<b>Description:</b> Power to which a unit is raised				
*	649	<b>Multiplier</b>	O	R	1/10	Not Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
*	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	<b>Exponent</b>	O	R	1/15	Not Used
		<b>Description:</b> Power to which a unit is raised				
*	649	<b>Multiplier</b>	O	R	1/10	Not Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
*	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	<b>Exponent</b>	O	R	1/15	Not Used
		<b>Description:</b> Power to which a unit is raised				
*	649	<b>Multiplier</b>	O	R	1/10	Not Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
*	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	<b>Exponent</b>	O	R	1/15	Not Used
		<b>Description:</b> Power to which a unit is raised				
*	649	<b>Multiplier</b>	O	R	1/10	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
*	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	<b>Exponent</b>	O	R	1/15	Not Used
		<b>Description:</b> Power to which a unit is raised				
*	649	<b>Multiplier</b>	O	R	1/10	Not Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
CTP06	648	<b>Price Multiplier Qualifier</b>	O	ID	3/3	Used
		<b>Description:</b> Code indicating the type of price multiplier				
		<b>User:</b> <i>The multiplier is used to compute the price after the discount is applied (e.g. A multiplier of '.8' reflects a 20% discount.)</i>				
		<b>Code Name</b>				
		DIS Discount Multiplier				
CTP07	649	<b>Multiplier</b>	C	R	1/10	Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
		<b>User:</b> <i>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</i>				
* CTP08	782	<b>Monetary Amount</b>	O	R	1/15	Not Used
		<b>Description:</b> Monetary amount				
* CTP09	639	<b>Basis of Unit Price Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code identifying the type of unit price for an item				
* CTP10	499	<b>Condition Value</b>	O	AN	1/10	Not Used
		<b>Description:</b> Identifies rate restrictions or provisions				
* CTP11	289	<b>Multiple Price Quantity</b>	O	N0	1/2	Not Used
		<b>Description:</b> 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* G4001	417	<b>Price Bracket Identifier</b>	O	AN	1/3	Not Used
		<b>Description:</b> Identifier assigned by the vendor for a specific price bracket				
G4002	418	<b>Item List Cost - New</b>	M	R	1/9	Required
		<b>Description:</b> Unit price within the appropriate price bracket for a line item on or after an effective price date				
		<b>User:</b> See Element G4008 for 'Cost/Price' definition				
G4003	419	<b>Item List Cost - Old</b>	O	R	1/9	Used
		<b>Description:</b> Unit price within the appropriate price bracket for a line item before an effective date				
		<b>User:</b> See Element G4008 for 'Cost/Price' definition				
* G4004	369	<b>Free-form Description</b>	O	AN	1/45	Not Used
		<b>Description:</b> Free-form descriptive text				
* G4005	420	<b>Price New, Suggested Retail</b>	O	N2	2/7	Not Used
		<b>Description:</b> The consumer package price or retail unit price associated with the product applicable on or after an effective price date				
* G4006	421	<b>Price Old, Suggested Retail</b>	O	N2	2/7	Not Used
		<b>Description:</b> The consumer package price or retail unit price associated with the product applicable before an effective price date				
* G4007	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
G4008	236	<b>Price Identifier Code</b>	O	ID	3/3	Used
		<b>Description:</b> 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

<u>Code</u>	<u>Name</u>
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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Required
<b>Description:</b> Code specifying type of date or time, or both date and time						
		<b>Code Name</b>				
		007 Effective				
		<b>Description:</b> <i>New price effective date.</i>				
DTM02	373	Date	X	DT	8/8	Required
<b>Description:</b> Date expressed as CCYYMMDD						
* DTM03	337	Time	C	TM	4/8	Not Used
<b>Description:</b> 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
<b>Description:</b> 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
<b>Description:</b> Code indicating the date format, time format, or date and time format						
* DTM07	1251	Date Time Period	C	AN	1/35	Not Used
<b>Description:</b> 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

<b>Pos: 200</b>	<b>Max: 5</b>
<b>Detail - Optional</b>	
<b>Loop: CTP</b>	<b>Elements: 21</b>

**User Option (Usage):** Used

**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	<b>Entity Identifier Code</b>	M	ID	2/2	Required
<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual						
<b>Code Name</b>						
SE Selling Party						
CUR02	100	<b>Currency Code</b>	M	ID	3/3	Required
<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified						
* CUR03	280	<b>Exchange Rate</b>	O	R	4/10	Not Used
<b>Description:</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another						
* CUR04	98	<b>Entity Identifier Code</b>	O	ID	2/2	Not Used
<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual						
* CUR05	100	<b>Currency Code</b>	O	ID	3/3	Not Used
<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified						
* CUR06	669	<b>Currency Market/Exchange Code</b>	O	ID	3/3	Not Used
<b>Description:</b> Code identifying the market upon which the currency exchange rate is based						
* CUR07	374	<b>Date/Time Qualifier</b>	C	ID	3/3	Not Used
<b>Description:</b> Code specifying type of date or time, or both date and time						
* CUR08	373	<b>Date</b>	O	DT	6/6	Not Used
<b>Description:</b> Date (YYMMDD)						
* CUR09	337	<b>Time</b>	O	TM	4/8	Not Used
<b>Description:</b> 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)						
* CUR10	374	<b>Date/Time Qualifier</b>	C	ID	3/3	Not Used
<b>Description:</b> Code specifying type of date or time, or both date and time						
* CUR11	373	<b>Date</b>	C	DT	6/6	Not Used
<b>Description:</b> Date (YYMMDD)						
* CUR12	337	<b>Time</b>	C	TM	4/8	Not Used
<b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or						

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

Pos: 225	Max: >1
Detail - Optional	
Loop: CTP	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Required
<b>Description:</b> Code Qualifying the Reference Identification						
<b>Code Name</b>						
11 Account Number						
<b>Description:</b> Number identifies a telecommunications industry account						
REF02	127	Reference Identification	C	AN	1/30	Used
<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
<b>User:</b> If REF01 is '11' then the value in this element must be the SAN.						
* REF03	352	Description	C	AN	1/80	Not Used
<b>Description:</b> A free-form description to clarify the related data elements and their content						
* REF04	C040	Reference Identifier	O	Comp		Not Used
<b>Description:</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier						
*	128	Reference Identification Qualifier	M	ID	2/3	Not Used
<b>Description:</b> Code Qualifying the Reference Identification						
*	127	Reference Identification	M	AN	1/30	Not Used
<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
*	128	Reference Identification Qualifier	C	ID	2/3	Not Used
<b>Description:</b> Code Qualifying the Reference Identification						
*	127	Reference Identification	C	AN	1/30	Not Used
<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
*	128	Reference Identification Qualifier	C	ID	2/3	Not Used
<b>Description:</b> Code Qualifying the Reference Identification						
*	127	Reference Identification	C	AN	1/30	Not Used
<b>Description:</b> 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

Pos: 227	Max: 9999
Detail - Optional	
Loop: CTP	Elements: 4

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G4301	771	<b>Market Area Code Qualifier</b>	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

009 State Abbreviation Code

010 Zip Code

011 Zip Code Beginning Value

012 Zip Code Ending Value

G4302	767	<b>Market Area Code Identifier</b>	O	AN	1/12	Used
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**Description:** A unique identification of a market area

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

* G4303	352	<b>Description</b>	O	AN	1/80	Not Used
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**Description:** A free-form description to clarify the related data elements and their content

G4304	687	<b>Class of Trade Code</b>	O	ID	2/2	Used
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**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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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

<b>Pos: 230</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 6</b>

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/2	Required
<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual						
<b>Code Name</b>						
AG Agent/Agency						
DS Distributor						
WL Wholesaler						
N102	93	<b>Name</b>	C	AN	1/35	Used
<b>Description:</b> Free-form name						
N103	66	<b>Identification Code Qualifier</b>	C	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
<b>Code Name</b>						
15 Standard Address Number (SAN)						
N104	67	<b>Identification Code</b>	C	AN	2/20	Used
<b>Description:</b> Code identifying a party or other code						
N105	706	<b>Entity Relationship Code</b>	O	ID	2/2	Used
<b>Description:</b> Code describing entity relationship						
<b>Code Name</b>						
17 Product Line						
N106	98	<b>Entity Identifier Code</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying an organizational entity, a physical location, or an individual						
<b>Code Name</b>						
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:

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

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

# N4 Geographic Location

<b>Pos: 260</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 6</b>

**User Option (Usage):** Not Rec'd

**Purpose:** To specify the geographic place of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
* N405	309	<b>Location Qualifier</b>	C	ID	1/2	Used
		<b>Description:</b> Code identifying type of location				
* N406	310	<b>Location Identifier</b>	O	AN	1/30	Used
		<b>Description:</b> 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	<b>Number of Line Items</b>	M	N0	1/6	Required
		<b>Description:</b> Total number of line items in the transaction set				
CTT02	347	<b>Hash Total</b>	O	R	1/10	Used
		<b>Description:</b> 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.				
* CTT03	81	<b>Weight</b>	C	R	1/10	Not Used
		<b>Description:</b> Numeric value of weight				
* CTT04	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
* CTT05	183	<b>Volume</b>	C	R	1/8	Not Used
		<b>Description:</b> Value of volumetric measure				
* CTT06	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Not Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
* CTT07	352	<b>Description</b>	O	AN	1/80	Not Used
		<b>Description:</b> 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Required
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Required
		<b>Description:</b> 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

<b><u>Id</u></b>	<b><u>Elements</u></b>	<b><u>Used in Segments</u></b>
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