



832 HC Price/Sales Catalog - Canada (Price)

Healthcare EDI

Version: 006020HC 2012

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832 HC Price/Sales Catalog - Canada (Price)

Functional Group=SC

Purpose: This X12 Transaction Set contains the format and establishes the data contents of the Price/Sales Catalog Transaction Set (832) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to furnishing or requesting the price of goods or services in the form of a catalog.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BCT	Beginning Segment for Price/Sales Catalog	M	1			Must use
0500	REF	Reference Information	O	>1			Used
0700	DTM	Date/Time Reference	O	10			Used
0900	CUR	Currency	O	5			Used
LOOP ID - N1					≥1		
1500	N1	Party Identification	O	1			Used
1600	N2	Additional Name Information	O	2			Used
1700	N3	Party Location	O	2			Used
1800	N4	Geographic Location	O	>1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - LIN					≥1		
0100	LIN	Item Identification	O	1			Used
0150	G53	Maintenance Type	O	1		N2/0150	Used
0300	DTM	Date/Time Reference	O	10			Used
0400	REF	Reference Information	O	>1			Used
0700	PID	Product/Item Description	O	200			Used
1660	TXI	Tax Information	O	>1			Used
1680	G55	Item Characteristics - Consumer Unit	O	1			Used
LOOP ID - CTP					≥1		
1700	CTP	Pricing Information	O	1			Used
1800	DTM	Date/Time Reference	O	10			Used
2000	CUR	Currency	O	5			Used
2250	REF	Reference Information	O	>1			Used
LOOP ID - G40					≥1		
2300	G40	Bracket Price	O	1			Used
LOOP ID - N1					≥1		
2430	N1	Party Identification	O	1			Used
2500	N3	Party Location	O	2			Used
2600	N4	Geographic Location	O	1			Used
LOOP ID - G39					≥1		

<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>
2830	G39	Item Characteristics - Vendor's Selling Unit	O	1			Used
2840	CTP	Pricing Information	O	1			Used
LOOP ID - PKL					20		
2850	PKL	Multi-Pack Configuration	O	1			Used
2900	CTP	Pricing Information	O	1			Used
LOOP ID - SLN					≥1		
3500	SLN	Subline Item Detail	O	1			Used

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>
0100	CTT	Transaction Totals	O	1		N3/0100	Used
0200	SE	Transaction Set Trailer	M	1			Must use

Notes:

- 2/0150 If BCT10 is used and G5301 is used, then the G5301 takes precedence.
- 3/0100 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: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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	Transaction Set Identifier Code	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 320, Included: 1)

Code Name

832 Price/Sales Catalog

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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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

Note 1: *A unique number identifying the purchase order number to be used to synchronize / correlate to each trading partner's respective accounts receivable and accounts payable files.*

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

BCT Beginning Segment for Price/Sales Catalog

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

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	Catalog Purpose Code	M	ID	2/2	Must use

Description: Code indicating purpose of catalog

CodeList Summary (Total Codes: 5, Included: 2)

Code Name

PC Price Catalog

Note 1:

This code is being used between 2 trading partners. Note it is not mandatory to send the price.

RC Resale Catalog

BCT02	684	Catalog Number	O	AN	1/15	Used
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Description: Identifying number for catalog or superseded catalog

BCT03	685	Catalog Version Number	O	AN	1/15	Used
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Description: Identifying version number of catalog or superseded catalog

BCT10	353	Transaction Set Purpose Code	O	ID	2/2	Used
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Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 67, Included: 5)

Code Name

00 Original

Note 1:

This code is used in conjunction with the G53 segment in the detail area.

02 Add

03 Delete

04 Change

Note 1:

Change identifies only a price change to the trade item.

05 Replace

Note 1:

Full product refresh.

REF Reference Information

Pos: 0500	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

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	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1813, Included: 2)

Code Name

BC Buyer's Contract Number
VC Vendor Contract Number

REF02	127	Reference Identification	X	AN	1/80	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

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

Semantics:

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

DTM Date/Time Reference

Pos: 0700	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Note 1:

DTM01 code values 007 - Effective, 036 - Expiration, 092 - Contract Effective and 093 - Contract Expiration may be overridden by the DTM 01 in the detail position 2/0300.

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	Must use

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

Note 1: *The contract effective and expiration dates are provided at the detail level.*

CodeList Summary (Total Codes: 1307, Included: 5)

Code Name

007 Effective

Note 1:

The effective date of the data in this transaction.

009 Process

Note 1:

The date the transaction is being transmitted.

036 Expiration

Description: *Date coverage expires*

Note 1:

The expiration date of the data in this transaction.

092 Contract Effective

Note 1:

The start date of the contract pertaining to trade items in this transaction.

093 Contract Expiration

Note 1:

The end date of the contract pertaining to trade items in this transaction.

DTM02	373	Date	X	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

CUR Currency

Pos: 0900	Max: 5
Heading - Optional	
Loop: N/A	Elements: 2

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	Entity Identifier Code	M	ID	2/3	Must use

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

CodeList Summary (Total Codes: 1524, Included: 1)

Code Name

SE Selling Party

CUR02	100	Currency Code	M	ID	3/3	Must use
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Description: Code (Standard ISO) for country in whose currency the charges are specified

Note 1: See External Code Source 5

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.

Loop Party Identification

Pos: 1500	Repeat: >1
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>
1500	N1	Party Identification	O	1		Used
1600	N2	Additional Name Information	O	2		Used
1700	N3	Party Location	O	2		Used
1800	N4	Geographic Location	O	>1		Used

N1 Party Identification

Pos: 1500	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

Note 1:

The Buyer and Seller must be identified.

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	Entity Identifier Code	M	ID	2/3	Must use

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

Note 1: *BY - Buyer is Mandatory.*

Note 2: *In Addition to By - Buyer, either SU - Supplier / Manufacturer or VN - Vendor is mandatory.*

CodeList Summary (Total Codes: 1524, Included: 3)

Code Name

BY Buying Party (Purchaser)
SU Supplier/Manufacturer
VN Vendor

N102	93	Name	X	AN	1/60	Used
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Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 254, Included: 3)

Code Name

91 Assigned by Seller or Seller's Agent
92 Assigned by Buyer or Buyer's Agent
UL Global Location Number (GLN)

Description: *A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system*

Note 1:

See External Code Source 583

N104	67	Identification Code	X	AN	2/80	Used
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Description: Code identifying a party or other code

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.

N2 Additional Name Information

Pos: 1600	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify additional names

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	Name	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: Free-form name				

N3 Party Location

Pos: 1700	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Note 1:

Required when N103 is either 91 = Assigned by Seller or Seller's Agent or 92 = Assigned by Buyer or Buyer's Agent.

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	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 1800	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Note 1:

Required when N103 is either 91 = Assigned by Seller or Seller's Agent or 92 = Assigned by Buyer or Buyer's Agent.

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	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
		Note 1: <i>See External Code Source 22</i>				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
		Note 1: <i>See External Code Source 51</i>				
N404	26	Country Code	X	ID	2/3	Used
		Description: Code identifying the country				
		Note 1: <i>See External Code Source 5. (Using ISO 3166-2 using Alpha-2)</i>				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

Loop Item Identification

Pos: 0100 Repeat: >1
 Optional
 Loop: LIN Elements: N/A

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>
0100	LIN	Item Identification	O	1		Used
0150	G53	Maintenance Type	O	1		Used
0300	DTM	Date/Time Reference	O	10		Used
0400	REF	Reference Information	O	>1		Used
0700	PID	Product/Item Description	O	200		Used
1660	TXI	Tax Information	O	>1		Used
1680	G55	Item Characteristics - Consumer Unit	O	1		Used
1700		Loop CTP	O		>1	Used
2430		Loop N1	O		>1	Used
2830		Loop G39	O		>1	Used
2850		Loop PKL	O		20	Used
3500		Loop SLN	O		>1	Used

LIN Item Identification

Pos: 0100	Max: 1
Detail - Optional	
Loop: LIN	Elements: 9

User Option (Usage): Used

Purpose: To specify basic item identification data

Note 1:

LIN02 will be used to identify the ordering unit or the buyer's item number.

Note 2:

GS1 Canada and GS1 US recommend use of the ISO Country Code List 3166-1 Alpha-2 codes. If a product is manufacturer in more than one country, separate the ISO country codes by a space within Data Element 234.

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																								
		<p>Description: Alphanumeric characters assigned for differentiation within a transaction set</p> <p>Note 1: <i>A sequential number assigned to each line item within the transaction starting with one.</i></p>																												
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use																								
		<p>Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p>CodeList Summary (Total Codes: 537, Included: 6)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EN</td> <td>GTIN EAN/UCC - 13 Digit Data Structure</td> </tr> <tr> <td></td> <td>Description: <i>Data structure for the 13 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)</i></td> </tr> <tr> <td>EO</td> <td>GTIN EAN/UCC - 8 Digit Data Structure</td> </tr> <tr> <td></td> <td>Description: <i>Data structure for the 8 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)</i></td> </tr> <tr> <td>IN</td> <td>Buyer's Item Number</td> </tr> <tr> <td></td> <td>Note 1: <i>To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)</i></td> </tr> <tr> <td>UK</td> <td>GTIN 14-digit Data Structure</td> </tr> <tr> <td></td> <td>Description: <i>Data structure for the 14 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)</i></td> </tr> <tr> <td></td> <td>Note 1: <i>Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.</i></td> </tr> <tr> <td>UP</td> <td>GTIN UCC - 12 Digit Data Structure</td> </tr> <tr> <td></td> <td>Description: <i>Data structure for the 12 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)</i></td> </tr> </tbody> </table>					<u>Code</u>	<u>Name</u>	EN	GTIN EAN/UCC - 13 Digit Data Structure		Description: <i>Data structure for the 13 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)</i>	EO	GTIN EAN/UCC - 8 Digit Data Structure		Description: <i>Data structure for the 8 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)</i>	IN	Buyer's Item Number		Note 1: <i>To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)</i>	UK	GTIN 14-digit Data Structure		Description: <i>Data structure for the 14 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)</i>		Note 1: <i>Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.</i>	UP	GTIN UCC - 12 Digit Data Structure		Description: <i>Data structure for the 12 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)</i>
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	Description: <i>Data structure for the 12 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)</i>																													

Code Name

VN Vendor's (Seller's) Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

LIN03 234 **Product/Service ID** M AN 1/80 Must use

Description: Identifying number for a product or service

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

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

CodeList Summary (Total Codes: 537, Included: 6)

Code Name

EN GTIN EAN/UCC - 13 Digit Data Structure

Description: *Data structure for the 13 digit EAN.UCC (EAN International, Uniform Code Council) Global Trade Item Number (GTIN)*

EO GTIN EAN/UCC - 8 Digit Data Structure

Description: *Data structure for the 8 digit EAN.UCC (EAN International, Uniform Code Council) Global Trade Item Number (GTIN)*

IN Buyer's Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

UK GTIN 14-digit Data Structure

Description: *Data structure for the 14 digit EAN.UCC (EAN International, Uniform Code Council) Global Trade Item Number (GTIN)*

Note 1:

Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.

UP GTIN UCC - 12 Digit Data Structure

Description: *Data structure for the 12 digit EAN.UCC (EAN International, Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)*

VN Vendor's (Seller's) Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

LIN05 234 **Product/Service ID** X AN 1/80 Used

Description: Identifying number for a product or service

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

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

CodeList Summary (Total Codes: 537, Included: 6)

Code Name

EN GTIN EAN/UCC - 13 Digit Data Structure

Code Name

- Description:** *Data structure for the 13 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*
- EO GTIN EAN/UCC - 8 Digit Data Structure
Description: *Data structure for the 8 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*
- IN Buyer's Item Number
Note 1:
To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)
- UK GTIN 14-digit Data Structure
Description: *Data structure for the 14 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*
Note 1:
Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.
- UP GTIN UCC - 12 Digit Data Structure
Description: *Data structure for the 12 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)*
- VN Vendor's (Seller's) Item Number
Note 1:
To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

LIN07	234	Product/Service ID	X	AN	1/80	Used
		Description: Identifying number for a product or service				
LIN08	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

CodeList Summary (Total Codes: 537, Included: 6)

Code Name

- EN GTIN EAN/UCC - 13 Digit Data Structure
Description: *Data structure for the 13 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*
- EO GTIN EAN/UCC - 8 Digit Data Structure
Description: *Data structure for the 8 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*
- IN Buyer's Item Number
Note 1:
To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)
- UK GTIN 14-digit Data Structure
Description: *Data structure for the 14 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*
Note 1:
Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.

Code Name

UP GTIN UCC - 12 Digit Data Structure

Description: *Data structure for the 12 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)*

VN Vendor's (Seller's) Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

LIN09	234	Product/Service ID	X	AN	1/80	Used
-------	-----	---------------------------	---	----	------	------

Description: Identifying number for a product or service

Syntax Rules:

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

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., ISBN No., Model No., or SKU.

G53 Maintenance Type

Pos: 0150	Max: 1
Detail - Optional	
Loop: LIN	Elements: 1

User Option (Usage): Used

Purpose: To identify the specific type of item maintenance

Note 1:

When BCT10 contains code 00, the segment is required to specify the action to be taken for the item identified in the associated LIN segment.

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	Must use

Description: Code identifying the specific type of item maintenance

CodeList Summary (Total Codes: 128, Included: 5)

Code Name

001 Change

Note 1:

The item being changed is identified in LIN02/LIN03. All data about the item is replaced. Changes to the contents of a module should be accomplished by deleting the old module and adding the new one.

002 Delete

Note 1:

The item being deleted is identified in LIN02/LIN03, and is the Ordering Unit.. All data about the item is deleted.

003 Add Full Item Detail

Note 1:

The new item is identified in LIN02/LIN03.

004 Withdraw Item (Temporary)

Note 1:

The item to be withdrawn from ordering/distribution is identified in LIN02/LIN03. The item data should be retained until it is restored or deleted at a later date. No additional segments are required.

005 Restore Item

Note 1:

The item to be restored is identified in LIN02/LIN03.

The item data is assumed to have been retained; no additional segments are required.

DTM Date/Time Reference

Pos: 0300	Max: 10
Detail - Optional	
Loop: LIN	Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Note 1:

This segment is used to override the corresponding date in the header area. This is only applicable to the item identified in the preceding LIN segment. This applies when the same codes are used.

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	Must use

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

CodeList Summary (Total Codes: 1307, Included: 4)

Code Name

007 Effective

Note 1:

The effective date of the trade item.

036 Expiration

Description: Date coverage expires

Note 1:

The expiration date of the trade item

092 Contract Effective

Note 1:

The start date of the contract pertaining to the trade item

093 Contract Expiration

Note 1:

The end date of the contract pertaining to the trade item

DTM02	373	Date	X	DT	8/8	Must use
-------	-----	------	---	----	-----	----------

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

REF Reference Information

Pos: 0400	Max: >1
Detail - Optional	
Loop: LIN	Elements: 3

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	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1813, Included: 6)

Code Name

- MS Manufacturer's Material Safety Data Sheet Number
- VC Vendor Contract Number
- ANT Anatomical Therapeutic Chemical (ATC) Classification Code
- ATH American Hospital Formulary System (AHFS) Classification Code
- MDC Medical Device Class

Note 1:

When MDC is used, REF02 (DE127) will have a value of:
 Class I - Lowest Risk
 Class II - Low Risk
 Class III - Moderate Risk
 Class IV - High Risk

MDL Medical Device License Number

REF02	127	Reference Identification	X	AN	1/80	Used
-------	-----	--------------------------	---	----	------	------

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

REF03	352	Description	X	AN	1/80	Used
-------	-----	-------------	---	----	------	------

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

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.

PID Product/Item Description

Pos: 0700	Max: 200
Detail - Optional	
Loop: LIN	Elements: 3

User Option (Usage): Used

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

Note 1:

The PID segment is used to provide product/item descriptions in text or coded formats.

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	Item Description Type	M	ID	1/1	Must use

Description: Code indicating the format of a description

CodeList Summary (Total Codes: 3, Included: 1)

Code Name

F	Free-form
---	-----------

Note 1:

The description will be found in PID05.

PID05	352	Description	X	AN	1/80	Used
-------	-----	-------------	---	----	------	------

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

PID09	819	Language Code	O	ID	2/3	Used
-------	-----	---------------	---	----	-----	------

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

Note 1: *See External Code Source 102*

Note 2: *Examples: EN - English and FR - French*

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. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 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.

TXI Tax Information

Pos: 1660	Max: >1
Detail - Optional	
Loop: LIN	Elements: 2

User Option (Usage): Used

Purpose: To specify tax 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>
TXI01	963	Tax Type Code	M	ID	2/2	Must use

Description: Code specifying the type of tax

CodeList Summary (Total Codes: 102, Included: 5)

Code Name

BE Harmonized Sales Tax

Note 1:

Canadian HST

CP County/Parish Sales Tax

CS City Sales Tax

GS Goods and Services Tax

Description: *Canadian value-added tax*

Note 1:

Canadian GST

SP State/Provincial Tax

Description: *State tax levied which excludes sales or excise taxes*

Note 1:

Canadian PST

TXI03	954	Percentage as Decimal	X	R	1/10	Used
-------	-----	-----------------------	---	---	------	------

Description: Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

G55 Item Characteristics - Consumer Unit

Pos: 1680	Max: 1
Detail - Optional	
Loop: LIN	Elements: 4

User Option (Usage): Used

Purpose: To provide physical characteristics relative to a consumer unit

Note 1:

Only 2 trade item identifiers may be used per trade item. Only a GTIN and one alternate identifier may be used.

Note 2:

A GTIN is the preferred product identification

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>
G5501	235	Product/Service ID Qualifier	M	ID	2/2	Must use

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

CodeList Summary (Total Codes: 537, Included: 6)

Code Name

EN GTIN EAN/UCC - 13 Digit Data Structure

Description: *Data structure for the 13 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

EO GTIN EAN/UCC - 8 Digit Data Structure

Description: *Data structure for the 8 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

IN Buyer's Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

UK GTIN 14-digit Data Structure

Description: *Data structure for the 14 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

Note 1:

Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.

UP GTIN UCC - 12 Digit Data Structure

Description: *Data structure for the 12 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)*

VN Vendor's (Seller's) Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

G5502	234	Product/Service ID	M	AN	1/80	Must use
-------	-----	---------------------------	---	----	------	----------

Description: Identifying number for a product or service

G5503	235	Product/Service ID Qualifier	X	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>
------------	-----------	---------------------	------------	-------------	----------------	--------------

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

CodeList Summary (Total Codes: 537, Included: 6)

Code Name

EN GTIN EAN/UCC - 13 Digit Data Structure

Description: *Data structure for the 13 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

EO GTIN EAN/UCC - 8 Digit Data Structure

Description: *Data structure for the 8 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

IN Buyer's Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

UK GTIN 14-digit Data Structure

Description: *Data structure for the 14 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

Note 1:

Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.

UP GTIN UCC - 12 Digit Data Structure

Description: *Data structure for the 12 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)*

VN Vendor's (Seller's) Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

G5504	234	Product/Service ID	X	AN	1/80	Used
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Description: Identifying number for a product or service

Syntax Rules:

1. P0304 - If either G5503 or G5504 is present, then the other is required.
2. P0506 - If either G5505 or G5506 is present, then the other is required.
3. P0708 - If either G5507 or G5508 is present, then the other is required.
4. P0910 - If either G5509 or G5510 is present, then the other is required.
5. P1112 - If either G5511 or G5512 is present, then the other is required.
6. P1415 - If either G5514 or G5515 is present, then the other is required.
7. P232425 - If either G5523, G5524 or G5525 are present, then the others are required.
8. P262728 - If either G5526, G5527 or G5528 are present, then the others are required.
9. P2930 - If either G5529 or G5530 is present, then the other is required.

Semantics:

1. G5521 indicates if the product is pre-priced. Code "Y" indicates the product is pre-priced. Code "N" indicates the product is not pre-priced.

Comments:

1. G5516 is limited to 16 characters.

Loop Pricing Information

Pos: 1700 Repeat: >1
 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>
1700	CTP	Pricing Information	O	1		Used
1800	DTM	Date/Time Reference	O	10		Used
2000	CUR	Currency	O	5		Used
2250	REF	Reference Information	O	>1		Used
2300		Loop G40	O		>1	Used

CTP Pricing Information

Pos: 1700	Max: 1
Detail - Optional	
Loop: CTP	Elements: 4

User Option (Usage): Used

Purpose: To specify pricing information

Note 1:

Price information may be sent in the CTP segment or the G40 segment but not both. When specifying price information in the G40 segment CTP02 is required.

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>
CTP02	236	Price Identifier Code	X	ID	3/3	Used
		Description: Code identifying pricing specification				
		CodeList Summary (Total Codes: 168, Included: 2)				
		<u>Code</u>		<u>Name</u>		
		CAT		Catalog Price		
		CON		Contract Price		
CTP03	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
		Note 1: <i>The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".</i>				
CTP04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
CTP05	C001	Composite Unit of Measure	X	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
CTP05-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		CodeList Summary (Total Codes: 903, Included: 37)				
		<u>Code</u>		<u>Name</u>		
		AM		Ampoule		
		BD		Bundle		
		BG		Bag		
		BO		Bottle		
		BX		Box		

Code	Name
CA	Case
CL	Cylinder
CT	Carton
DR	Drum
DZ	Dozen
EA	Each
GA	Gallon
GR	Gram
KG	Kilogram
KT	Kit
LB	Pound
LT	Liter
MC	Microgram
ME	Milligram
ML	Milliliter
MM	Millimeter
MR	Meter
OZ	Ounce - Av
PK	Package
PL	Pallet/Unit Load
PR	Pair
QT	Quart
RL	Roll
RM	Ream
SF	Square Foot
SH	Sheet
SL	Sleeve
SM	Square Meter
TB	Tube
TY	Tray
VI	Vial
YD	Yard

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.
5. C1103 - If CTP11 is present, then CTP03 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.

DTM Date/Time Reference

Pos: 1800	Max: 10
Detail - Optional	
Loop: CTP	Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Note 1:

*A price is not effective unless one of the follow data elements are sent in the DTM - either
Header 1/0700 code 007 - Effective or
Detail 2/0300 code 007 Effective or
Detail Loop CTP 2/1800 code 196 - Start*

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	Must use						
<p>Description: Code specifying type of date or time, or both date and time</p> <p>CodeList Summary (Total Codes: 1307, Included: 2)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>196</td> <td>Start</td> </tr> <tr> <td>197</td> <td>End</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	196	Start	197	End
<u>Code</u>	<u>Name</u>											
196	Start											
197	End											
DTM02	373	Date	X	DT	8/8	Must use						
<p>Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</p>												

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

CUR Currency

Pos: 2000	Max: 5
Detail - Optional	
Loop: CTP	Elements: 2

User Option (Usage): Used

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

Note 1:

When this segment is used in the detail area, it overrides any currency stated in the header area for this iteration of the LIN loop only. In addition, the exchange rate for the currency specified to US Dollars may be provided.

See Section V - VICS EDI Conventions - CUR Usage, for usage examples.

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	Entity Identifier Code	M	ID	2/3	Must use

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

CodeList Summary (Total Codes: 1524, Included: 1)

Code Name

SE Selling Party

CUR02	100	Currency Code	M	ID	3/3	Must use
-------	-----	----------------------	---	----	-----	----------

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

Note 1: See External Code Source 5

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 Information

Pos: 2250	Max: >1
Detail - Optional	
Loop: CTP	Elements: 2

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	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1813, Included: 2)

Code Name

BC Buyer's Contract Number
VC Vendor Contract Number

REF02	127	Reference Identification	X	AN	1/80	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

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

Semantics:

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

Loop Bracket Price

Pos: 2300	Repeat: >1
Optional	
Loop: G40	Elements: N/A

User Option (Usage): Used

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

Note 1:

Price information may be sent in the CTP segment or the G40 segment but not both. When specifying price information in the G40 segment CTP02 is required.

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>
2300	G40	Bracket Price	O	1		Used

G40 Bracket Price

Pos: 2300	Max: 1
Detail - Optional	
Loop: G40	Elements: 3

User Option (Usage): Used

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

Note 1:

Price information may be sent in either the G40 segment or the CTP segment, but not both. The G40 segment is used when the price is associated with a price bracket, and the CTP segment is used when the price is not associated with a price bracket.

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	Price Bracket Identifier Description: Identifier assigned by the vendor for a specific price bracket	O	AN	1/3	Must use
G4002	418	Item List Cost - New Description: Unit price within the appropriate price bracket for a line item on or after an effective price date Note 1: <i>Unit cost price</i>	M	R	1/9	Must use
G4004	369	Free-form Description Description: Free-form descriptive text Note 1: <i>Description of price bracket, if required</i>	O	AN	1/45	Used

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.

Loop Party Identification

Pos: 2430	Repeat: >1
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used

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

Note 1:

When N103 and N104 are used then Segments N3 and N4 are not used

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>
2430	N1	Party Identification	O	1		Used
2500	N3	Party Location	O	2		Used
2600	N4	Geographic Location	O	1		Used

N1 Party Identification

Pos: 2430	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

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	Entity Identifier Code	M	ID	2/3	Must use

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

CodeList Summary (Total Codes: 1524, Included: 1)

Code Name

MF Manufacturer of Goods

N102	93	Name	X	AN	1/60	Used
------	----	-------------	---	----	------	------

Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
------	----	--------------------------------------	---	----	-----	------

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

CodeList Summary (Total Codes: 254, Included: 3)

Code Name

91 Assigned by Seller or Seller's Agent

92 Assigned by Buyer or Buyer's Agent

UL Global Location Number (GLN)

Description: *A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system*

Note 1:

See External Code Source 583

N104	67	Identification Code	X	AN	2/80	Used
------	----	----------------------------	---	----	------	------

Description: Code identifying a party or other code

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.

N3 Party Location

Pos: 2500	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Note 1:

When N103 and N104 are used then Segments N3 and N4 are not used

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	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 2600	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Note 1:

When N103 and N104 are used then Segments N3 and N4 are not used

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	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
		Note 1: <i>See External Code Source 22</i>				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
		Note 1: <i>See External Code Source 51</i>				
N404	26	Country Code	X	ID	2/3	Used
		Description: Code identifying the country				
		Note 1: <i>See External Code Source 5</i>				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

Loop Item Characteristics - Vendor's Selling Unit

Pos: 2830 Repeat: >1
 Optional
Loop: G39 Elements: N/A

User Option (Usage): Used

Purpose: To identify a vendor's selling unit or to provide physical characteristics relative to a vendor's selling unit

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>
2830	G39	Item Characteristics - Vendor's Selling Unit	O	1		Used
2840	CTP	Pricing Information	O	1		Used

G39 Item Characteristics - Vendor's Selling Unit

Pos: 2830	Max: 1
Detail - Optional	
Loop: G39	Elements: 19

User Option (Usage): Used

Purpose: To identify a vendor's selling unit or to provide physical characteristics relative to a vendor's selling unit

Note 1:

This segment is used to provide the vendor's selling unit information for the Product/Service Identification. Select one code to reflect the identification used for the trade item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G3902	235	Product/Service ID Qualifier	X	ID	2/2	Used

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

CodeList Summary (Total Codes: 537, Included: 6)

Code Name

EN GTIN EAN/UCC - 13 Digit Data Structure

Description: *Data structure for the 13 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

EO GTIN EAN/UCC - 8 Digit Data Structure

Description: *Data structure for the 8 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

IN Buyer's Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

UK GTIN 14-digit Data Structure

Description: *Data structure for the 14 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

Note 1:

Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.

UP GTIN UCC - 12 Digit Data Structure

Description: *Data structure for the 12 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)*

VN Vendor's (Seller's) Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

G3903	234	Product/Service ID	X	AN	1/80	Used
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Description: Identifying number for a product or service

G3905	395	Unit Weight	X	R	1/8	Used
-------	-----	-------------	---	---	-----	------

Description: Numeric value of weight per

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		unit				
		Note 1: <i>Gross weight of the vendor's selling unit in G3902/G3903</i>				
G3906	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight				
		CodeList Summary (Total Codes: 53, Included: 1)				
		Code Name				
		G Gross Weight				
G3907	188	Weight Unit Code	X	ID	1/1	Used
		Description: Code specifying the weight unit				
		CodeList Summary (Total Codes: 8, Included: 4)				
		Code Name				
		G Grams				
		K Kilograms				
		L Pounds				
		O Ounces				
G3908	65	Height	X	R	1/8	Used
		Description: Vertical dimension of an object measured when the object is in the upright position				
		Note 1: <i>When communicating the data measurements for height, width and item depth, follow the GS1 Package Measurement Rules to correctly determine height, width and depth measurements.</i>				
		<i>See Code Source 41.</i>				
G3909	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		CodeList Summary (Total Codes: 903, Included: 4)				
		Code Name				
		CM Centimeter				
		DM Decimeter				
		MM Millimeter				
		MR Meter				
G3910	189	Width	X	R	1/8	Used
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<p>Note 1: <i>When communicating the data measurements for height, width and item depth, follow the GS1 Package Measurement Rules to correctly determine height, width and depth measurements.</i></p> <p><i>See Code Source 41.</i></p>				
G3911	355	<p>Unit or Basis for Measurement Code</p> <p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>CodeList Summary (Total Codes: 903, Included: 4)</p> <p>Code Name</p> <p>CM Centimeter</p> <p>DM Decimeter</p> <p>MM Millimeter</p> <p>MR Meter</p>	X	ID	2/2	Used
G3912	82	<p>Length</p> <p>Description: Largest horizontal dimension of an object measured when the object is in the upright position</p> <p>Note 1: <i>For GS1, length corresponds to depth. When communicating the data measurements for height, width and item depth, follow the GS1 Package Measurement Rules to correctly determine height, width and depth measurements.</i></p> <p><i>See Code Source 41.</i></p>	X	R	1/8	Used
G3913	355	<p>Unit or Basis for Measurement Code</p> <p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>CodeList Summary (Total Codes: 903, Included: 4)</p> <p>Code Name</p> <p>CM Centimeter</p> <p>DM Decimeter</p> <p>MM Millimeter</p> <p>MR Meter</p>	X	ID	2/2	Used
G3914	183	<p>Volume</p> <p>Description: Value of volumetric measure</p>	X	R	1/8	Used
G3915	355	<p>Unit or Basis for Measurement Code</p>	X	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>
		<p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>CodeList Summary (Total Codes: 903, Included: 2)</p> <p>Code Name</p> <p>CC Cubic Centimeter</p> <p>CR Cubic Meter</p>				
G3916	416	<p>Pallet Block and Tiers</p> <p>Description: Code indicating pallet and load structure; first three digits indicate the number of cases per layer, last three digits indicate the number of layers per pallet</p>	O	N0	6/6	Used
G3917	356	<p>Pack</p> <p>Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container</p> <p>Note 1: <i>MANUFACTURER PACK - The number of items in a manufacturer's package.</i></p>	O	N0	1/6	Used
G3918	357	<p>Size</p> <p>Description: Size of supplier units in pack</p>	X	R	1/8	Used
G3919	355	<p>Unit or Basis for Measurement Code</p> <p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>CodeList Summary (Total Codes: 903, Included: 37)</p> <p>Code Name</p> <p>AM Ampoule</p> <p>BD Bundle</p> <p>BG Bag</p> <p>BO Bottle</p> <p>BX Box</p> <p>CA Case</p> <p>CL Cylinder</p> <p>CT Carton</p> <p>DR Drum</p> <p>DZ Dozen</p> <p>EA Each</p> <p>GA Gallon</p> <p>GR Gram</p> <p>KG Kilogram</p> <p>KT Kit</p>	X	ID	2/2	Used

<u>Code</u>	<u>Name</u>
LB	Pound
LT	Liter
MC	Microgram
ME	Milligram
ML	Milliliter
MM	Millimeter
MR	Meter
OZ	Ounce - Av
PK	Package
PL	Pallet/Unit Load
PR	Pair
QT	Quart
RL	Roll
RM	Ream
SF	Square Foot
SH	Sheet
SL	Sleeve
SM	Square Meter
TB	Tube
TY	Tray
VI	Vial
YD	Yard

G3927	810	Inner Pack	O	NO	1/6	Used
-------	-----	-------------------	---	----	-----	------

Description: The number of eaches per inner container

G3928	103	Packaging Code	O	AN	3/5	Used
-------	-----	-----------------------	---	----	-----	------

Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

CodeList Summary (Total Codes: 157, Included: 47)

<u>Code</u>	<u>Name</u>
AAA	Pallet, Returnable
AMM	Ammo Pack
BAG	Bag
BAL	Bale
BBL	Barrel
BDL	Bundle
BEM	Beam
BLK	Bulk
BOT	Bottle
BOX	Box

Note 1:
Box or carton

BRK	Brick Pack
-----	------------

Code Name

Description: *A closed flat top container may form spout or has recloseable cap on side, or has straw and hole system*

CAG Cage

CAN Can

CAS Case

COL Coil

CRT Crate

CTN Carton

CYL Cylinder

DRM Drum

EGG Egg Crating

Description: *In containers and shipping devices, usually describes a type of interior dunnage which allows the contents to be individually segregated, horizontally and vertically, to provide protection during transportation and storage*

EPR Edge Protection

Description: *A right-angle piece placed over the outermost perimeter edges of a container to distribute pressure and prevent collapse or cutting from banding, strapping, or handling*

Note 1:

A right-angle piece placed over the outermost perimeter edges of a container to distribute pressure and prevent collapse or cutting from banding, strapping, or handling

GAB Gable Top

Description: *An "A" shaped top container may form spout or has recloseable cap on side, or has straw and hole system*

JAR Jar

JUG Jug

KEG Keg

LNR Liners

Description: *Any material that separates a product within a container from the basic walls of the container*

LSE Loose

PAL Pail

PKG Package

Note 1:

Package, card, or blister card

PLT Pallet

POU Pouch

PWT Plastic-Wrapped Tray

REL Reel

ROL Roll

SAH Sachet

SHA Shaker

SPL Spool

SRW Shrink Wrap

Description: *In packaging, a method of securing a unit load by placing a large "bag" of plastic film over the components and applying heat to induce shrinkage and cause the bag to tighten around the contents*

SSC Single Serving Cup

Code Name

STW Stretch Wrap

Description: *In packaging, a high-tensile plastic film, stretched and wrapped repeatedly around a unitized load to secure and maintain unit integrity*

TBE Tube

TBN Tote Bin

TNK Tank

TRY Tray

TUB Tub

WLC Wheeled Carrier

WRP Wrapped

CodeList Summary (Total Codes: 58, Included: 11)

Code Name

01 Aluminum

03 Hard Wood

05 Soft Wood

25 Corrugated or Solid

Note 1:

Corrugated or solid packaging does not require repackaging for shipment

43 Glass

58 Metal

76 Paper

79 Plastic

84 Polystyrene

Description: *A polymer prepared by the polymerization of styrene as the sole monomer*

91 Stainless Steel

94 Wood

Syntax Rules:

1. R0102 - At least one of G3901 or G3902 is required.
2. P0203 - If either G3902 or G3903 is present, then the other is required.
3. P050607 - If either G3905, G3906 or G3907 are present, then the others are required.
4. P0809 - If either G3908 or G3909 is present, then the other is required.
5. P1011 - If either G3910 or G3911 is present, then the other is required.
6. P1213 - If either G3912 or G3913 is present, then the other is required.
7. P1415 - If either G3914 or G3915 is present, then the other is required.
8. P1819 - If either G3918 or G3919 is present, then the other is required.
9. P2324 - If either G3923 or G3924 is present, then the other is required.
10. P2526 - If either G3925 or G3926 is present, then the other is required.

CTP Pricing Information

Pos: 2840	Max: 1
Detail - Optional	
Loop: G39	Elements: 5

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	Class of Trade Code	O	ID	2/2	Used

Description: Code indicating class of trade

CodeList Summary (Total Codes: 63, Included: 10)

Code Name

- AG Agent
- BG Buying Group
- DE Dealer
- DF Doctors' Offices
- DI Distributor
- FS Food Service

Description: *Institutions, restaurants, schools*

- GA Grocery Accounts

Description: *Grocery chains, wholesalers, and independents*

- GM General Merchandise

Description: *Discount/Department stores, mass merchandisers, variety stores, general merchandisers*

- HS Hospitals
- PY Private Label

CTP02	236	Price Identifier Code	X	ID	3/3	Must use
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Description: Code identifying pricing specification

CodeList Summary (Total Codes: 168, Included: 1)

Code Name

- UCP Unit cost price

Note 1:

Standard wholesale cost of an item

CTP03	212	Unit Price	X	R	1/17	Must use
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Description: Price per unit of product, service, commodity, etc.

Note 1: *The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".*

CTP04	380	Quantity	X	R	1/15	Used
-------	-----	-----------------	---	---	------	------

Description: Numeric value of quantity

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP05	C001	Composite Unit of Measure	X	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
CTP05-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

CodeList Summary (Total Codes: 903, Included: 37)

Code Name

AM	Ampoule
BD	Bundle
BG	Bag
BO	Bottle
BX	Box
CA	Case
CL	Cylinder
CT	Carton
DR	Drum
DZ	Dozen
EA	Each
GA	Gallon
GR	Gram
KG	Kilogram
KT	Kit
LB	Pound
LT	Liter
MC	Microgram
ME	Milligram
ML	Milliliter
MM	Millimeter
MR	Meter
OZ	Ounce - Av
PK	Package
PL	Pallet/Unit Load
PR	Pair
QT	Quart
RL	Roll
RM	Ream
SF	Square Foot
SH	Sheet
SL	Sleeve
SM	Square Meter
TB	Tube
TY	Tray

Code Name

VI	Vial
YD	Yard

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.
5. C1103 - If CTP11 is present, then CTP03 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.

Loop Multi-Pack Configuration

Pos: 2850	Repeat: 20
Optional	
Loop: PKL	Elements: N/A

User Option (Usage): Used

Purpose: To identify the package level, quantity of stock-keeping units (SKUs), and other basic data related to the configuration of the package being defined

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>
2850	PKL	Multi-Pack Configuration	O	1		Used
2900	CTP	Pricing Information	O	1		Used

PKL Multi-Pack Configuration

Pos: 2850	Max: 1
Detail - Optional	
Loop: PKL	Elements: 4

User Option (Usage): Used

Purpose: To identify the package level, quantity of stock-keeping units (SKUs), and other basic data related to the configuration of the package being defined

Note 1:

This segment is used to specify inner pack carton attributes, e.g., length, width and height, associated with the inner pack.

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>
PKL01	235	Product/Service ID Qualifier	M	ID	2/2	Must use

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

CodeList Summary (Total Codes: 537, Included: 6)

Code Name

EN GTIN EAN/UCC - 13 Digit Data Structure
Description: *Data structure for the 13 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN)*

EO GTIN EAN/UCC - 8 Digit Data Structure
Description: *Data structure for the 8 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN)*

IN Buyer's Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

UK GTIN 14-digit Data Structure
Description: *Data structure for the 14 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN)*

Note 1:

Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.

UP GTIN UCC - 12 Digit Data Structure
Description: *Data structure for the 12 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)*

VN Vendor's (Seller's) Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

PKL02	234	Product/Service ID	M	AN	1/80	Must use
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Description: Identifying number for a product or service

Note 1: *For an unmarked innerpack (no GTIN), PKL01 = "PG" and PKL02 will contain a single "X".*

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																																																																												
PKL03	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use																																																																												
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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>
		Description: Numeric value of quantity				
		Note 1: <i>The quantity of consumer units contained in an inner pack.</i>				

Syntax Rules:

1. C0508 - If PKL05 is present, then PKL08 is required.
2. C0608 - If PKL06 is present, then PKL08 is required.
3. C0708 - If PKL07 is present, then PKL08 is required.
4. L08050607 - If PKL08 is present, then at least one of PKL05, PKL06 or PKL07 is required.
5. P0910 - If either PKL09 or PKL10 is present, then the other is required.
6. P1112 - If either PKL11 or PKL12 is present, then the other is required.

Semantics:

1. PKL04 is the Stock Keeping Unit (SKU) quantity.
2. PKL13 is used to designate whether the product identified in PKL02 is saleable by the manufacturer at that packaging level. Code "Y" indicates that the product is saleable by the manufacturer at that packaging level, and code "N" indicates that the product is not saleable by the manufacturer at that packaging level.

CTP Pricing Information

Pos: 2900	Max: 1
Detail - Optional	
Loop: PKL	Elements: 4

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>
CTP02	236	Price Identifier Code	X	ID	3/3	Used
		Description: Code identifying pricing specification				
		CodeList Summary (Total Codes: 168, Included: 2)				
		<u>Code</u>		<u>Name</u>		
		CAT		Catalog Price		
		CON		Contract Price		
CTP03	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
CTP04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
CTP05	C001	Composite Unit of Measure	X	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
CTP05-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		CodeList Summary (Total Codes: 903, Included: 37)				
		<u>Code</u>		<u>Name</u>		
		AM		Ampoule		
		BD		Bundle		
		BG		Bag		
		BO		Bottle		
		BX		Box		
		CA		Case		
		CL		Cylinder		
		CT		Carton		
		DR		Drum		
		DZ		Dozen		
		EA		Each		
		GA		Gallon		
		GR		Gram		

Code	Name
KG	Kilogram
KT	Kit
LB	Pound
LT	Liter
MC	Microgram
ME	Milligram
ML	Milliliter
MM	Millimeter
MR	Meter
OZ	Ounce - Av
PK	Package
PL	Pallet/Unit Load
PR	Pair
QT	Quart
RL	Roll
RM	Ream
SF	Square Foot
SH	Sheet
SL	Sleeve
SM	Square Meter
TB	Tube
TY	Tray
VI	Vial
YD	Yard

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.
5. C1103 - If CTP11 is present, then CTP03 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.

Loop Subline Item Detail

Pos: 3500	Repeat: >1
Optional	
Loop: SLN	Elements: N/A

User Option (Usage): Used

Purpose: To specify product subline detail item 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>
3500	SLN	Subline Item Detail	O	1		Used

SLN Subline Item Detail

Pos: 3500	Max: 1
Detail - Optional	
Loop: SLN	Elements: 11

User Option (Usage): Used

Purpose: To specify product subline detail item data

Note 1:

This segment may be used to identify replacement GTINs, e.g., when a vendor has replaced an existing GTIN with another, the old GTIN/Product ID/Color ID/Size ID should be specified in the SLN segment by using code S in SLN03 (the new GTIN/Product ID/Color ID/Size ID is in the LIN segment).

Prepacks/setpacks are identified in the LIN segment.

To specify the contents of a prepack/setpack, use the SLN segment with code I in SLN03. When changing the contents of an existing prepack/setpack, use code D or code I in SLN03 to either delete an existing GTIN or include a new GTIN to the prepack/setpack.

If SLN03 contains code D or code I, then SLN04 and SLN05 are required.

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	Assigned Identification	M	AN	1/20	Must use
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
SLN03	662	Relationship Code	M	ID	1/1	Must use
		Description: Code indicating the relationship between entities				
		CodeList Summary (Total Codes: 6, Included: 6)				
		Code		Name		
		A		Add		
		D		Delete		
		I		Included		
		O		Information Only		
		S		Substituted		
		U		Authorized Substitute		
SLN04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
		Note 1: <i>The quantity of items, identified by the SLN, that are contained within the prepack/setpack (assortment) identified in the LIN segment.</i>				
SLN05	C001	Composite Unit of Measure	X	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN05-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use

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

CodeList Summary (Total Codes: 903, Included: 37)

<u>Code</u>	<u>Name</u>
AM	Ampoule
BD	Bundle
BG	Bag
BO	Bottle
BX	Box
CA	Case
CL	Cylinder
CT	Carton
DR	Drum
DZ	Dozen
EA	Each
GA	Gallon
GR	Gram
KG	Kilogram
KT	Kit
LB	Pound
LT	Liter
MC	Microgram
ME	Milligram
ML	Milliliter
MM	Millimeter
MR	Meter
OZ	Ounce - Av
PK	Package
PL	Pallet/Unit Load
PR	Pair
QT	Quart
RL	Roll
RM	Ream
SF	Square Foot
SH	Sheet
SL	Sleeve
SM	Square Meter
TB	Tube
TY	Tray
VI	Vial
YD	Yard

SLN09	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (Total Codes: 537, Included: 6)				
		Code		Name		
		EN		GTIN EAN/UCC - 13 Digit Data Structure		
				Description: <i>Data structure for the 13 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)</i>		
		EO		GTIN EAN/UCC - 8 Digit Data Structure		
				Description: <i>Data structure for the 8 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)</i>		
		IN		Buyer's Item Number		
				Note 1:		
				<i>To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)</i>		
		UK		GTIN 14-digit Data Structure		
				Description: <i>Data structure for the 14 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)</i>		
				Note 1:		
				<i>Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.</i>		
		UP		GTIN UCC - 12 Digit Data Structure		
				Description: <i>Data structure for the 12 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)</i>		
		VN		Vendor's (Seller's) Item Number		
				Note 1:		
				<i>To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)</i>		
SLN10	234	Product/Service ID	X	AN	1/80	Used
		Description: Identifying number for a product or service				
SLN11	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (Total Codes: 537, Included: 6)				
		Code		Name		
		EN		GTIN EAN/UCC - 13 Digit Data Structure		
				Description: <i>Data structure for the 13 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)</i>		
		EO		GTIN EAN/UCC - 8 Digit Data Structure		
				Description: <i>Data structure for the 8 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)</i>		
		IN		Buyer's Item Number		
				Note 1:		
				<i>To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)</i>		
		UK		GTIN 14-digit Data Structure		

Code Name

Description: Data structure for the 14 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN)

Note 1:

Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.

UP GTIN UCC - 12 Digit Data Structure

Description: Data structure for the 12 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)

VN Vendor's (Seller's) Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

SLN12	234	Product/Service ID	X	AN	1/80	Used
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Description: Identifying number for a product or service

SLN13	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 537, Included: 6)

Code Name

EN GTIN EAN/UCC - 13 Digit Data Structure

Description: Data structure for the 13 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN)

EO GTIN EAN/UCC - 8 Digit Data Structure

Description: Data structure for the 8 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN)

IN Buyer's Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

UK GTIN 14-digit Data Structure

Description: Data structure for the 14 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN)

Note 1:

Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.

UP GTIN UCC - 12 Digit Data Structure

Description: Data structure for the 12 digit EAN.UCC (EAN International Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)

VN Vendor's (Seller's) Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

SLN14	234	Product/Service ID	X	AN	1/80	Used
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Description: Identifying number for a

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		product or service				
SLN15	235	Product/Service ID Qualifier	X	ID	2/2	Used

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

CodeList Summary (Total Codes: 537, Included: 6)

Code Name

EN GTIN EAN/UCC - 13 Digit Data Structure

Description: *Data structure for the 13 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

EO GTIN EAN/UCC - 8 Digit Data Structure

Description: *Data structure for the 8 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

IN Buyer's Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

UK GTIN 14-digit Data Structure

Description: *Data structure for the 14 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN)*

Note 1:

Codes CA and UK are mutually exclusive; only one of those codes may be used within this segment.

UP GTIN UCC - 12 Digit Data Structure

Description: *Data structure for the 12 digit EAN.UCC (EAN International. Uniform Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)*

VN Vendor's (Seller's) Item Number

Note 1:

To be phased out in future versions, to be replaced with GTIN (Global Trade Item Number)

Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. C0706 - If SLN07 is present, then SLN06 is required.
3. C0806 - If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. 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., ISBN No., Model No., or SKU.

CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

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	Number of Line Items	M	NO	1/6	Must use

Description: Total number of line items in the transaction set

Note 1: *The number of LIN segments present in the transaction set*

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: 0200	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				
		Note 1: <i>This must be the same number as is in the ST segment (ST02) for the transaction set.</i>				

Comments:

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