

832 Price/Sales Catalog - Canada

VICS EDI

Version: 005030VICS

Author:	GS1 US and Canada
Company:	
Publication:	12/1/2006

Table of Contents

832	Price/Sales Catalog - Canada	1
ST	Transaction Set Header	3
BCT	Beginning Segment for Price/Sales Catalog	4
DTM	Date/Time Reference	7
CUR	Currency	8
N1	Loop Party Identification	9
N1	Party Identification	10
N2	Additional Name Information	11
N3	Party Location	12
N4	Geographic Location	13
PER	Administrative Communications Contact	15
LIN	Loop Item Identification	17
LIN	Item Identification	18
G53	Maintenance Type	20
DTM	Date/Time Reference	21
REF	Reference Information	23
CTB	Restrictions/Conditions	24
PID	Product/Item Description	25
MEA	Measurements	33
PKG	Marking, Packaging, Loading	38
TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	41
LDT	Lead Time	43
TC2	Commodity	44
G55	Item Characteristics - Consumer Unit	45
CTP	Loop Pricing Information	55
CTP	Pricing Information	56
DTM	Date/Time Reference	59
G36	Price List Reference	60
CUR	Currency	61
REF	Reference Information	62
G43	Promotion/Price List Area	63
SAC	Service, Promotion, Allowance, or Charge Information	65
G26	Pricing Conditions	71
N1	Loop Party Identification	73
N1	Party Identification	74
N3	Party Location	76
N4	Geographic Location	77
G39	Loop Item Characteristics - Vendor's Selling Unit	78
G39	Item Characteristics - Vendor's Selling Unit	79
PKL	Loop Multi-Pack Configuration	88

PKL Multi-Pack Configuration	89
SLN Loop Subline Item Detail	92
SLN Subline Item Detail	93
CTT Transaction Totals	97
SE Transaction Set Trailer	98

832 Price/Sales Catalog - Canada

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:

<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	ST	Transaction Set Header	M	1			Must use
0200	BCT	Beginning Segment for Price/Sales Catalog	M	1			Must use
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
2000	PER	Administrative Communications Contact	O	>1			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>
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
0600	CTB	Restrictions/Conditions	O	25			Used
0700	PID	Product/Item Description	O	200			Used
0800	MEA	Measurements	O	200			Used
0900	PKG	Marking, Packaging, Loading	O	25			Used
1100	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1			Used
1400	LDT	Lead Time	O	1			Used
1650	TC2	Commodity	O	2			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
1820	G36	Price List Reference	O	1			Used
2000	CUR	Currency	O	5			Used
2250	REF	Reference Information	O	>1			Used

<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>
2270	G43	Promotion/Price List Area	O	9999			Used
2280	SAC	Service, Promotion, Allowance, or Charge Information	O	>1			Used
2290	G26	Pricing Conditions	O	99			Used
<u>LOOP ID - N1</u>					<u>≥1</u>		
2430	N1	Party Identification	O	1			Used
2500	N3	Party Location	O	2			Used
2600	N4	Geographic Location	O	1			Used
<u>LOOP ID - G39</u>					<u>≥1</u>		
2830	G39	Item Characteristics - Vendor's Selling Unit	O	1			Used
<u>LOOP ID - PKL</u>					<u>20</u>		
2850	PKL	Multi-Pack Configuration	O	1			Used
<u>LOOP ID - SLN</u>					<u>≥1</u>		
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

Code List Summary (Total Codes: 318, Included: 1)

Code Name

832 Price/Sales Catalog

ST02	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

User Note 1: The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.

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: 5

User Option (Usage): Must use

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

User Note 1:

BCT10 is used only to clarify, to the receiver, the sender's purpose of the transaction set. Code 13 is used to request catalog information from the owner of the catalog or the authorized agent, e.g., a third party catalog service. Code 11 is used only when the transaction set is a reply to a specific request transaction. If the sender has a standing request from the receiver for specific data when a specific event takes place, e.g., women's tops, new products, every two weeks, this is NOT considered a response. The recipient will only receive a response (BCT10 contains code 11) if the recipient had previously sent a request (BCT10 contains code 13). Codes 02, 03, 04, and 05 are to be used to update catalog information kept by the user of the catalog data, e.g., a retailer or the vendor's agent.

If BCT10 contains code 00, a mix of adds, changes and deletes is assumed. The G53 segment, in the detail area, specifies the action to be taken.

Data may be requested or access may be granted to the entire catalog or a portion of it without regard to any specific SKU(s). When requesting or granting catalog access for the entire catalog, BCT03 is not used. BCT10 will contain code 13 for requests or code 02 or 03 for access control and the detail area (LIN loop) is not used. The same procedure is used to request data or grant access to a portion of the catalog by adding BCT03 with the appropriate selection code for the portion of the catalog needed.

Caution must be exercised when deleting a GTIN from the catalog. Due to ordering and shipping cycle times, a GTIN should reside on the catalog as discontinued at least one year after the last of the product has been shipped. Deleting the GTIN from the catalog does not alter the minimum retention period (30 months for apparel and 48 months for all other items) as defined in the Trade Item Identification and Communication Guidelines.

User Note 2:

Initiator of Transaction	BCT02	BCT06	BCT10
Vendor (Owner of Catalog) Catalog Updates	Vendor ID	Not Used	00, 02, 03, 04, 05, 18
Access Control	Vendor ID	Retailer ID	02, 03
Vendor or Third Party One-time Response	Vendor ID	Not Used	11
Standing Request Response	Vendor ID	Not Used	Not Used
Profile List Response	Vendor ID	Retailer ID	11
Retailer (Owner of Profile) Profile Updates	Vendor ID	Retailer ID	02, 03
Profile List Requests	Vendor ID	Retailer ID	13
One-time Catalog Requests	Vendor ID	Not Used	13

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

<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 indicating purpose of catalog

Code List Summary (Total Codes: 5, Included: 2)

Code Name

PS Price Sheet

User Note 1:

Retail Price Communication

RC Resale Catalog

User Note 1:

Catalog Data, Traditional Vendor's Catalog, and Item Maintenance

BCT02	684	Catalog Number	O	AN	1/15	Used
-------	-----	-----------------------	---	----	------	------

Description: Identifying number for catalog or superseded catalog

User Note 1: VENDOR ID as defined by Trade Item Identification and Communication Guidelines.

Owner of the catalog, generally the vendor

ITEM MAINTENANCE: Reference number

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

Description: Identifying version number of catalog or superseded catalog

User Note 1: SELECTION CODE as defined by Trade Item Identification and Communication Guidelines.

Absence of BCT03 indicates entire catalog.

BCT09	352	Description	O	AN	1/80	Used
-------	-----	--------------------	---	----	------	------

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

User Note 1: SELECTION CODE DESCRIPTION as defined by Trade Item Identification and Communication Guidelines.

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

Description: Code identifying purpose of transaction set

User Note 1: ACTION CODE as defined by Trade Item Identification and Communication Guidelines.

Code List Summary (Total Codes: 66, Included: 9)

Code Name

00 Original

User Note 1:

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

01 Cancellation

User Note 1:

Restricted use. See Trade Item Identification and Communication Guidelines.

02 Add

03 Delete

04 Change

05 Replace

11 Response

13 Request

<u>Code</u>	<u>Name</u>
18	Reissue

User Note 1:

Restricted use. See Trade Item Identification and Communication Guidelines.

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

User Note 1:

The publication and expiration dates identify the exact period to which the data apply. One segment for each date. This segment will be used to specify the dates for all SKUs identified in the transaction. If a particular SKU has a different date, the DTM segment in the detail area will be used to override the date for that SKU only.

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

Code List Summary (Total Codes: 1288, Included: 1)

Code Name

043 Publication

User Note 1:

DATE OF CHANGE as defined by the Trade Item Identification and Communication Guidelines.

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.

CUR Currency

Pos: 0900	Max: 5
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

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

User Note 1:

All prices are assumed to be in U.S. Dollars, unless otherwise specified in this segment. The use of this segment, in the header area, denotes all prices given in the transaction set will be in the specified currency. In addition, the exchange rate for the currency specified to U.S. 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

Code List Summary (Total Codes: 1504, 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

User Note 1: See External Code Source 5 in Section III for reference document.

CUR03	280	Exchange Rate	O	R	4/10	Used
-------	-----	----------------------	---	---	------	------

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

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
2000	PER	Administrative Communications Contact	O	>1		Used

N1 Party Identification

Pos: 1500	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

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

User Note 1:

This segment may be used to identify the vendor's country of origin for the items and the shipping point(s) for the items.

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

Code List Summary (Total Codes: 1504, Included: 1)

<u>Code</u>	<u>Name</u>
VN	Vendor

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

Description: Free-form name

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: 1

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

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

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

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

User Note 1: See External Code Source 22 in Section III for reference document.

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)

User Note 1: See External Code Source 51 in Section III for reference document.

N404	26	Country Code	X	ID	2/3	Used
------	----	---------------------	---	----	-----	------

Description: Code identifying the country

User Note 1: See External Code Source 5 in Section III for reference document.

User Note 2: AR - Argentina

AU - Australia

AT - Austria

BE - Belgium

BR - Brazil

CA - Canada

CH - Switzerland

CN - China

CO - Columbia

DE - Germany

DK - Denmark

ES - Spain

FI - Finland

FR - France

GB - United Kingdom

HK - Hong Kong

IE - Ireland

IT - Italy

JP - Japan

KO - Korea, Republic of

MX - Mexico

NL - Netherlands

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		NO - Norway				
		PL - Poland				
		PT - Portugal				
		RU - Russian Federation				
		SE - Sweden				
		SG - Singapore				
		Z8 - South Africa				
		US - United States				

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.

PER Administrative Communications Contact

Pos: 2000	Max: >1
Heading - Optional	
Loop: N1	Elements: 8

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	Must use

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

Code List Summary (Total Codes: 241, Included: 2)

Code Name

AL Alternate Contact

Description: Person to be contacted when the main contact is not available

User Note 1:

Secondary contact.

IC Information Contact

PER02	93	Name	O	AN	1/60	Used
-------	----	------	---	----	------	------

Description: Free-form name

PER03	365	Communication Number Qualifier	X	ID	2/2	Used
-------	-----	--------------------------------	---	----	-----	------

Description: Code identifying the type of communication number

Code List Summary (Total Codes: 42, Included: 3)

Code Name

EM Electronic Mail

FX Facsimile

TE Telephone

PER04	364	Communication Number	X	AN	1/256	Used
-------	-----	----------------------	---	----	-------	------

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

PER05	365	Communication Number Qualifier	X	ID	2/2	Used
-------	-----	--------------------------------	---	----	-----	------

Description: Code identifying the type of communication number

User Note 1: See PER03 for code values.

PER06	364	Communication Number	X	AN	1/256	Used
-------	-----	----------------------	---	----	-------	------

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

PER07	365	Communication Number Qualifier	X	ID	2/2	Used
-------	-----	--------------------------------	---	----	-----	------

Description: Code identifying the type of communication number

User Note 1: See PER03 for code values.

PER08	364	Communication Number	X	AN	1/256	Used
-------	-----	----------------------	---	----	-------	------

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

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

Syntax Rules:

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

Loop Item Identification

Pos: 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
0600	CTB	Restrictions/Conditions	O	25		Used
0700	PID	Product/Item Description	O	200		Used
0800	MEA	Measurements	O	200		Used
0900	PKG	Marking, Packaging, Loading	O	25		Used
1100	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1		Used
1400	LDT	Lead Time	O	1		Used
1650	TC2	Commodity	O	2		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: 7

User Option (Usage): Used

Purpose: To specify basic item identification data

User Note 1:

ITEM MAINTENANCE

LIN02 will be used to identify the ordering unit or the buyer's item number. This segment may be used in conjunction with (a) the G39 segment to identify the vendor selling unit, and (b) the G55 segment to identify the consumer selling unit.

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

Description: Alphanumeric characters assigned for differentiation within a transaction set

User Note 1: A sequential number assigned to each line item within the transaction starting with one.

LIN02	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)

Code List Summary (Total Codes: 530, Included: 9)

Code Name

CM National Retail Federation Color Code

User Note 1:

This is the three-digit NRF code.
See External Code Source 88 in Section III for reference document.

EN GTIN EAN/UCC - 13

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

EO GTIN EAN/UCC - 8

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

FV Drug Identification Number (DIN)

User Note 1:

See External Code Source 874 in Section III for reference document.

MN Model 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)

UP GTIN UCC - 12

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.)

VE Vendor Color

VN Vendor's (Seller's) Item Number

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN03	234	Product/Service ID	M	AN	1/48	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)				
		User Note 1: See LIN02 code list.				
LIN05	234	Product/Service ID	X	AN	1/48	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)				
		User Note 1: See LIN02 code list.				
LIN07	234	Product/Service ID	X	AN	1/48	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

User 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

Code List Summary (Total Codes: 123, Included: 5)

Code Name

001 Change

User 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

User Note 1:

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

The G55 segment may be used to identify the associated Consumer Selling Unit that also is to be deleted. Do not send the G55 segment if the associated Consumer Selling Unit is NOT to be deleted.

003 Add Full Item Detail

User Note 1:

The new item is identified in LIN02/LIN03.

004 Withdraw Item (Temporary)

User 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

User 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

User 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.

When DTM01 contains code 168, DTM02 will specify the release date when retailers to whom a vendor has granted catalog access may view the associated catalog items, receive auto-updates and browse/choose date on-line. Prior to this date, the information is not available to other retailers.

When DTM01 contains code 440, DTM02 will specify the general release date of catalog information. Prior to this date, the information is not publicly available.

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

Code List Summary (Total Codes: 1288, Included: 9)

Code Name

018 Available

User Note 1:

U.P.C. CATALOG: AVAILABLE DATE - First available ship date. Implies nothing about current availability.

036 Expiration

Description: Date coverage expires

User Note 1:

DISCONTINUE DATE as defined by the Trade Item Identification and Communication Guidelines.

043 Publication

User Note 1:

DATE OF CHANGE as defined by the Trade Item Identification and Communication Guidelines.

092 Contract Effective

User Note 1:

U.P.C. CATALOG: BOOKING DATE - The date the item is available for ordering.

ITEM MAINTENANCE: First order date

152 Effective Date of Change

Description: Date on which the change went into effect

User Note 1:

When BCT01 contains code PS (Retail Price Communication), this is the shipment date when this price change is effective, i.e. all identified items shipped on or after this date will have the new price applied.

177 Cancellation

Description: Date on which the coverage or service is no longer in force

<u>Code</u>	<u>Name</u>
	User Note 1: CANCELLATION DATE as defined by the Trade Item Identification and Communication Guidelines
440	Release of Information Description: Date patient signified it was acceptable to distribute pertinent information to other parties User Note 1: GS1 US & GS1 Canada implementation note: General release of catalog information
584	Reinstatement User Note 1: REINSTATEMENT DATE as defined by the Trade Item Identification and Communication Guidelines.
604	Withdrawn
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

Code List Summary (Total Codes: 1754, Included: 1)

Code Name

MS Manufacturer's Material Safety Data Sheet Number

REF02	127	Reference Identification	X	AN	1/50	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

User Note 1: This data element is used to specify the special clause and is used only when REF01 contains code H5.

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.

CTB Restrictions/Conditions

Pos: 0600	Max: 25
Detail - Optional	
Loop: LIN	Elements: 5

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	Restrictions/Conditions Qualifier	M	ID	2/2	Must use

Description: Code identifying the type of restriction/condition

Code List Summary (Total Codes: 11, Included: 1)

Code Name

OR Ordering

CTB03	673	Quantity Qualifier	X	ID	2/2	Used
-------	-----	--------------------	---	----	-----	------

Description: Code specifying the type of quantity

Code List Summary (Total Codes: 1130, Included: 3)

Code Name

57 Minimum Order Quantity

User Note 1:

U.P.C. CATALOG: MINIMUM QUANTITY - Manufacturer imposed minimum order for item.

70 Maximum Order Quantity

AP Order Quantity Multiple

Description: Product must be ordered in multiples of a number

User Note 1:

Product must be ordered in multiples of the quantity in CTB04

CTB04	380	Quantity	X	R	1/15	Used
-------	-----	----------	---	---	------	------

Description: Numeric value of quantity

CTB05	522	Amount Qualifier Code	X	ID	1/3	Used
-------	-----	-----------------------	---	----	-----	------

Description: Code to qualify amount

Code List Summary (Total Codes: 1770, Included: 1)

Code Name

MO Minimum Order Value

Description: Minimum value of order allowed

CTB06	610	Amount	X	N2	1/15	Used
-------	-----	--------	---	----	------	------

Description: Monetary amount

Syntax Rules:

1. R020406 - At least one of CTB02, CTB04 or CTB06 is required.
2. P0304 - If either CTB03 or CTB04 is present, then the other is required.
3. P0506 - If either CTB05 or CTB06 is present, then the other is required.
4. C0704 - If CTB07 is present, then CTB04 is required.

PID Product/Item Description

Pos: 0700	Max: 200
Detail - Optional	
Loop: LIN	Elements: 6

User Option (Usage): Used

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

User Note 1:

The PID segment is used to provide product/item descriptions in text and or coded formats. The codes in PID04 are published only in this guideline.

When PID02 contains code 05 or 06, PID03 will contain code ZZ and PID04 will contain the Canadian Merchandise Classification 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>
PID01	349	Item Description Type	M	ID	1/1	Must use

Description: Code indicating the format of a description

Code List Summary (Total Codes: 3, Included: 3)

Code Name

F Free-form

User Note 1:

The description will be found in PID05.

S Structured (From Industry Code List)

User Note 1:

The description will be found in PID04.

X Semi-structured (Code and Text)

User Note 1:

The description will be found in PID04 and PID05.

PID02	750	Product/Process Characteristic Code	O	ID	2/3	Used
-------	-----	-------------------------------------	---	----	-----	------

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

User Note 1: Codes 75 and 91 are used only from retailer to vendor for private label products.

Code List Summary (Total Codes: 251, Included: 37)

Code Name

05 Category

User Note 1:

For Canada: Canadian Merchandise Classification Codes are maintained by GS1 Canada, 1500 Don Mills Road, Suite 800, Toronto, Ontario M3B 3L1, www.gs1ca.org, info@gs1ca.org.

User Note 2:

For the convenience store industry categories, see External Code Source 850 in Section III for reference document.

08 Product

User Note 1:

PRODUCT DESCRIPTION as defined by Trade Item Identification and Communication Guidelines

Code	Name
09	Sub-product
	User Note 1:
	Lower level name associated with trade item, must be accompanied by a Trade Name or Brand Name.
11	Society, Government, Customer Specifications
	User Note 1:
	Used only in the Canadian Retail Industry
12	Type and/or Process
35	Color
	User Note 1:
	Used by Alcohol Beverage Industry and Canadian Retail Industry.
40	Shade
41	Tint
61	End Use Application
	User Note 1:
	Used only by the Canadian pharmaceutical retail industry
67	Functional Performance
73	Vendor color description
	User Note 1:
	COLOR DESCRIPTION as defined by Trade Item Identification and Communication Guidelines
77	Finish Description
79	Put-up Description
	User Note 1:
	Weight scale description
AJ	Recycle
BC	Behind-the-Counter Drugs
C2	Controlled Substance - Class 2
C3	Controlled Substance-Class 3 (Narcotic)
C4	Controlled Substance - Class 4
C5	Controlled Substance - Class 5
C6	Controlled Substance-Class 3N (Non-narcotic)
DF	Dosage Form
	Description: A description of the product's physical form, such as caplet, tablet, or capsule
	User Note 1:
	Used only by the Canadian pharmaceutical retail industry
HZ	Hazardous Material
OT	Over-the-Counter Drug
RA	Route of Administration
	Description: The way a medicine is given to or taken by the patient
	User Note 1:
	Used only by the Canadian pharmaceutical retail industry
RX	Prescription Drug
TC	Therapeutic Class
	Description: A way of categorizing medicines

Code Name

VR Variant
Description: The distinguishing characteristics that differentiate products with the same brand and size

WD Warranty Description
Description: The warranty description for the final consumer, which the retailer needs to keep on file, in case the consumer has a claim against the warranty

DAC Damage Code
Description: Type of damage

User Note 1:

This code is used in conjunction with PID04 to specify the destroy/return policy code for return, damaged or defective goods.

FLV Flavor
Description: Distinctions from the base product that result in different taste or flavor, e.g., citrus, pepper

User Note 1:

Used only by the alcohol beverage industry

GEN General Description

HZR Hazard Rating System

Description: A system for both classifying and measuring hazardous characteristics of materials

ING Ingredient

INJ Injectables

PFK Physical Form: Aerosol

SYN Synonym

TRN Trade Name

PID03 559 **Agency Qualifier Code** X ID 2/2 Used

Description: Code identifying the agency assigning the code values

Code List Summary (Total Codes: 195, Included: 4)

Code Name

NP National Association of Pharmacy Regulatory Authorities (NAPRA)

User Note 1:

See External Code Source 894 in Section III for reference document.

UE Universal Descriptor Exchange (UDEX)

User Note 1:

See External Code Source 936 in Section III for reference document.

VI Voluntary Inter-Industry Commerce Standard (VICS) EDI

User Note 1:

See External Code Source 70 in Section III for reference document.

ZZ Mutually Defined

User Note 1:

This code is used only in conjunction with codes 05 and 06 in PID02.

PID04 751 **Product Description Code** X AN 1/12 Used

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

User Note 1: Refer to PID02 value for the following.

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

		ALLERGENS				
		When PID02 = AI,				
		one or more codes from this grouping are allowed per trade item				
		AC Crustacean				
		AD Disclaimer				
		AE Eggs				
		AF Fish				
		AM Milk				
		AN Tree Nuts				
		AO Shellfish				
		AP Peanut				
		AS Sesame				
		AU Sulphites				
		AW Wheat				
		AY Soy				
		COMPLIANCY CODES				
		When PID02 = EV, one or more codes from this grouping are allowed per trade item				
		EV Compliant with State Environment Requirements				
		FA Compliant with Flammability Act				
		FL Compliant with Fair Labor Standards Act				
		FP Compliant with Fur Product Labeling Act				
		TF Compliant with Textile Fiber Product Identification				
		VC Volatile Organic Compound (VOC) Compliant				
		WA Compliant with Wool Products Labeling Act				
		DAMAGE CODES				
		When PID02 = DAC (Damage Code) the following codes may be used:				
		CFA Call for Authorization				
		DFC Destroy for Credit				
		RFC Return for Credit				
		HFI Hold for Inspection				
		EXTENDED DESCRIPTION				
		When PID02 =08 ,				
		ED Extended Description				
		As defined by the Trade Item Identification and Communication Guidelines				
		This code must be used in conjunction with PID02 to define a type of description				
		MARKETING - PRODUCTION LABEL TYPE				
		When PID02 = PL,				
		Only one code from this grouping is allowed per trade item				
		BR Branded				
		A registered trade mark's label, identified by name as the product of a single firm or manufacturer				
		CS Custom				
		Specifically prepared for a client				
		PR Private				
		Labeled on behalf of a company but not stating the company's name.				
		MARKETING - PRODUCTION TYPE				
		When PID02 = PR,				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Only one code from this grouping is allowed per trade item				
		CP Co-Packed				Product is packaged with something else
		MF Manufactured				All of the ingredients of the product were made by the same company
		PH Purchased				Bought elsewhere to be incorporated in a company's line of products
		ODD SIZE				
		When PID02 = 08,				
		OS Size not within normal size range (Odd Size)				
		ODD SIZE CODE - May be at a different price point than other				
		SKUs with the same product identifier				
		RECALL INDICATOR				
		When PID02 = 08,				
		RC Recalled Product				The manufacturer or supplier has recalled the trade item
		REORDER AVAILABILITY				
		When PID02 = 08,				
		Only one code from this grouping is allowed per trade item				
		RN Product cannot be reordered				
		RY Product can be reordered				
		SEASONAL AVAILABILITY				
		Only one code from this grouping is allowed per trade item				
		When PID02 = 08,				
		SN Seasonal product currently not available				
		SY Seasonal product currently available				
		SPECIAL TRADE ITEMS				
		As defined by the Trade Item Identification and Communication Guidelines. When PID02 = 08,				
		Only one code from this grouping is allowed per trade item				
		CL Collateral				
		GW Gift with purchase				
		PW Purchase with purchase				
		TRADE ITEM DESCRIPTOR				
		When PID02 = 12,				
		Only one code from this grouping is allowed per trade item				
		CA Case				Standard shipping unit
		DS Display Shipper				Trade item that is both shippable and for ultimate display
		EA Each				Lowest level trade item intended or labeled for individual sale or consumption
		MP Multipack				As defined by the Trade Item Identification and Communication Guidelines
		MX Mixed Module				

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

		Trade item consisting of mixed products or a display ready pallet				
		PC Prepack subject to change				
		PREPACK MAY VARY - The quantity of items may vary within the prepack.				
		PK Pack or Inner Pack				
		A logistical trade item unit between Case and Each. It may or not be intended for ultimate consumption.				
		PL Pallet				
		PP Product sold only as part of a prepack (assortment)				
		PREPACK INDICATOR - Indicates that an item is sold only as part of a prepack.				
		PU Prepack				
		As defined by the Trade Item Identification and Communication Guidelines				
		SP Setpack				
		As defined by the Trade Item Identification and Communication Guidelines				
		TRADE ITEM UNIT TYPES				
		When PID02 = 12,				
		One or more codes from this grouping are allowed per trade item				
		BU Base Unit				
		Trade item is the base unit level of the trade item hierarchy				
		CU Consumer Unit				
		Trade item is intended for ultimate consumption				
		DU Despatch Unit				
		Trade item is a dispatch/shipping unit				
		IU Invoice Unit				
		Trade item will be included on bills or invoices				
		OU Orderable Unit				
		Orders will be accepted for trade item				
		VU Variable Unit				
		Trade item is of variable quantity.				

User Note 2: CANADIAN REQUIREMENTS

Canadian industry requirements regarding restrictions or government legislation may apply and are represented using the following multi-part code:

Part 1 (Positions 1-2) identifies the restrictions or government legislation, e.g. TX (Canadian Tax Code).

Part 2 (Positions 3-4) identifies the applicable province which is identified by the appropriate 2-digit ISO code), e.g. ON (Ontario). (Contact www.canadapost.ca)

Part 3 (Positions 5-7) identifies the type of tax applicable, e.g. GST (Goods and Services Tax).

Completing PID04:

Select one code from Part 1.

If code TX is selected, Part 2 and Part 3 are required.

If a code other than TX is selected, only Part 2 is required.

Part 1 (Positions 1-2)

D1 Drug requiring a prescription

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		D2 Drug not requiring prescription - available only from pharmacist (not accessible to the public)				
		D3 Drug not requiring prescription - accessible to the public requiring the pharmacist intervention				
		D4 Veterinary drug requiring a prescription				
		D5 Veterinary drug not requiring a prescription				
		D6 Drug sold anywhere by any retailer				
		EL Environmental Levy				
		NA Not legal to advertise				
		ND Not legal to discount				
		TX Canadian tax codes				
		Part 2 (Positions 3-4)				
		AB Alberta				
		BC British Columbia				
		CN Canada				
		MB Manitoba				
		NB New Brunswick				
		NL Newfoundland and Labrador				
		NS Nova Scotia				
		NT Northwest Territories				
		NU Nunavut				
		ON Ontario				
		PE Prince Edward Island				
		QC Quebec				
		SK Saskatchewan				
		YT Yukon Territory				
		Part 3 (Positions 5-7)				
		GST Goods and Services Tax (Canadian)				
		HST Harmonized Sales Tax (Canadian)				
		PST Provincial Sales Tax (Canadian)				
PID05	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
		User Note 1: CATALOG: Field lengths may vary. Refer to the Trade Item Identification and Communication Guidelines for appropriate field lengths.				
		CANADIAN CATALOG: Primary product description field length is 1-30 and extended product description field length is 1-80.				
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)				
		User Note 1: See External Code Source 102 in Section III for reference document.				
		User Note 2: EN English				
		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.

MEA Measurements

Pos: 0800	Max: 200
Detail - Optional	
Loop: LIN	Elements: 6

User Option (Usage): Used

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

User Note 1:

When MEA01 contains code BD, MEA03 will contain the value 1 to satisfy the syntax requirement and MEA04 will contain the invoicing unit of measure.

This segment may be used to specify the ordering unit of measure or the invoice unit of measure when the invoice unit of measure is different from the ordering unit of measure.

User Note 2:

To denote the maximum number of pallets that may be safely stacked for this trade item, use the following data elements and values:

- MEA01 - value 'PA'
- MEA02 - value 'HM'
- MEA03 - numeric value
- MEA04 - value 'PL'

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Used

Description: Code identifying the broad category to which a measurement applies

Code List Summary (Total Codes: 170, Included: 8)

Code Name

BD Billed Dimensions

User Note 1:

Invoiced unit of measure

CT Counts

PD Physical Dimensions

PS Product Characteristic Specification

SI Selling Dimensions

User Note 1:

To express count measurement: ordering unit of measure.

TE Temperature

TI Time

VI Vitamin

MEA02	738	Measurement Qualifier	O	ID	1/3	Used
-------	-----	-----------------------	---	----	-----	------

Description: Code identifying a specific product or process characteristic to which a measurement applies

Code List Summary (Total Codes: 1261, Included: 15)

Code Name

D6 Horizontal

D8 Vertical

DP Depth

Code Name

FP Flashpoint
HT Height
MX Maximum
NH Number of Items per Package Label
NK Nesting Factor
SD Strength
WD Width
COT Content

Description: The amount of specified material contained

User Note 1:

Serving weight or quantity

EPL Expected Product Life
HOC Heat of Combustion
SHA Shelf Life
TES Storage Temperature

MEA03 739 **Measurement Value** X R 1/20 Used

Description: The value of the measurement

MEA04 C001 **Composite Unit of Measure** X Comp Used

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

Comments:

1. If C001-02 is not used, its value is to be interpreted as 1.
2. If C001-03 is not used, its value is to be interpreted as 1.
3. If C001-05 is not used, its value is to be interpreted as 1.
4. If C001-06 is not used, its value is to be interpreted as 1.
5. If C001-08 is not used, its value is to be interpreted as 1.
6. If C001-09 is not used, its value is to be interpreted as 1.
7. If C001-11 is not used, its value is to be interpreted as 1.
8. If C001-12 is not used, its value is to be interpreted as 1.
9. If C001-14 is not used, its value is to be interpreted as 1.
10. If C001-15 is not used, its value is to be interpreted as 1.

MEA04-01 355 **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

Code List Summary (Total Codes: 884, Included: 82)

Code Name

12 Packet
15 Stick
1N Count
26 Actual Tons
2W Bin
Description: Storage container used as a unit of measurement
50 Actual Kilograms
AF Centigram

Code Name

Description: A unit of metric weight equal to 0.01 gram or 0.000035 ounce

- AM Ampoule
- AR Suppository
- AS Assortment
- AV Capsule

Description: A compact metallic or plastic container for liquids or solids

- AZ British Thermal Units (BTUs) per Pound
- BA Bale
- BF Board Feet
- BG Bag
- BK Book
- BO Bottle
- BP 100 Board Feet
- BR Barrel
- BX Box
- C3 Centiliter
- CA Case
- CC Cubic Centimeter
- CE Centigrade, Celsius

User Note 1:

Degrees

- CF Cubic Feet
- CH Container
- CI Cubic Inches
- CM Centimeter
- CN Can
- CR Cubic Meter
- CT Carton
- CW Hundred Pounds (CWT)
- CX Coil
- CY Cubic Yard
- DA Days
- DC Disk (Disc)
- DG Decigram
- DL Deciliter
- DM Decimeter
- DZ Dozen
- EA Each
- F2 International Unit

Description: A unit accepted by an international agency; potency of a drug/vitamin based on a specific weight of that drug/vitamin

- FG Transdermal Patch

Description: A drug delivery system which is placed on the skin and releases a drug at a constant rate through the skin

- FO Fluid Ounce
- FT Foot

<u>Code</u>	<u>Name</u>
	User Note 1: Feet
FZ	Fluid Ounce (Imperial) Description: A liquid unit of measure equal to 1/20 (.05) pint (Imperial), 28.416 cubic centimeters, or 28.416 milliliters
GA	Gallon
GN	Gross Gallons
GR	Gram
IH	Inhaler Description: Metered-dose pressurized method of getting medication into the lungs or nasal passages
IN	Inch
KG	Kilogram
KT	Kit
LB	Pound
LT	Liter
ME	Milligram
MJ	Minutes
ML	Milliliter
MM	Millimeter
MO	Months
MR	Meter
OZ	Ounce - Av
P1	Percent
PC	Piece
PD	Pad
PH	Pack (PAK)
PL	Pallet/Unit Load
PR	Pair
PT	Pint
QB	Pages - Hardcopy Description: Number of printed pages delivered
RL	Roll
SH	Sheet
ST	Set
SZ	Syringe Description: Glass or plastic barrels used to administer fluid medication under the skin, into a vein artery, or into a muscle
TB	Tube
U2	Tablet Description: A compressed or molded block of solid material; a collection of sheet paper glued together at one edge
UN	Unit
V2	Pouch
VI	Vial
Y4	Tub Description: A measure used to identify a storage container

		<u>Code</u>	<u>Name</u>				
		YD	Yard				
		YR	Years				
MEA05	740	Range Minimum		X	R	1/20	Used
		Description: The value specifying the minimum of the measurement range					
MEA06	741	Range Maximum		X	R	1/20	Used
		Description: The value specifying the maximum of the measurement range					

Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. E0412 - Only one of MEA04 or MEA12 may be present.
3. L050412 - If MEA05 is present, then at least one of MEA04 or MEA12 is required.
4. L060412 - If MEA06 is present, then at least one of MEA04 or MEA12 is required.
5. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
6. E0803 - Only one of MEA08 or MEA03 may be present.
7. P1112 - If either MEA11 or MEA12 is present, then the other is required.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
2. MEA11 is the external code list for the unit of measure.
3. MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an external code list.

Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

PKG Marking, Packaging, Loading

Pos: 0900	Max: 25
Detail - Optional	
Loop: LIN	Elements: 5

User Option (Usage): Used

Purpose: To describe marking, packaging, loading, and unloading requirements

User Note 1:

The codes in PKG04 are published only in this guideline.

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>
PKG01	349	Item Description Type	X	ID	1/1	Must use

Description: Code indicating the format of a description

Code List Summary (Total Codes: 3, Included: 3)

Code Name

F Free-form

User Note 1:

Used only by the alcohol beverage industry

The description will be found in PKG05.

S Structured (From Industry Code List)

User Note 1:

The description will be found in PKG04.

X Semi-structured (Code and Text)

PKG02	753	Packaging Characteristic Code	O	ID	1/5	Used
-------	-----	-------------------------------	---	----	-----	------

Description: Code specifying the marking, packaging, loading and related characteristics being described

Code List Summary (Total Codes: 45, Included: 6)

Code Name

34 Product Marking

35 Type of Package

User Note 1:

Used to qualify the type of packaging, e.g., regular, gift box, co-pack/combo, wine racked, carrier tray, sleeve, value-added, display, onpack, etc.

36 Package Specifications

45 Unloading Equipment

PK Packing

User Note 1:

See External Code Source 197 in Section III for reference document.

PN Promotional Marking

User Note 1:

Examples of promotional marking are Christmas, Father's Day, Halloween, etc.

PKG03	559	Agency Qualifier Code	X	ID	2/2	Used
-------	-----	-----------------------	---	----	-----	------

Description: Code identifying the agency assigning the code values

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

Code List Summary (Total Codes: 195, Included: 1)

Code Name

VI Voluntary Inter-Industry Commerce Standard (VICS) EDI

User Note 1:

See External Code Source 70 in Section III for reference document.

PKG04	754	Packaging Description Code	X	AN	1/7	Used
-------	-----	-----------------------------------	---	----	-----	------

Description: A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product

User Note 1: The codes in this data element are VICS EDI maintained.

This is a 2-part code, 3 characters long:

Part 1 - one letter

Part 2 - 2 digits

Select one code from each of Part 1 and Part 2:

Part 1: Container, Equipment Type, or Marking (Position 1)

Part 2: Container, Packing Configuration, or Marking (Position 2-3)

Code List Summary - Part 1/2 (Total Codes: 5, Included: 2)

Code Name

E Equipment

M Marking

Code List Summary - Part 2/2 (Total Codes: 37, Included: 5)

Code Name

CL Clamp

ES Electronic Article Security (EAS)

EX Expiry Date

FL Forklift

LT Lot Number

PKG05	352	Description	X	AN	1/80	Used
-------	-----	--------------------	---	----	------	------

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

User Note 1: Used by the alcohol beverage industry and Canada. Also used by the Hardlines sector to indicate where the EAS Tag is located on the trade item.

Syntax Rules:

1. R040506 - At least one of PKG04, PKG05 or PKG06 is required.
2. C0403 - If PKG04 is present, then PKG03 is required.
3. C0501 - If PKG05 is present, then PKG01 is required.

Semantics:

1. PKG04 should be used for industry-specific packaging description codes.

Comments:

1. Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
2. If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
3. Use PKG03 to indicate the organization that publishes the code list being referred to.

4. Special marking or tagging data can be given in PKG05 (description).

TD4 Carrier Details (Special Handling, or Hazardous Materials, or Both)

Pos: 1100	Max: >1
Detail - Optional	
Loop: LIN	Elements: 4

User Option (Usage): Used

Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

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>
TD401	152	Special Handling Code	X	ID	2/3	Used

Description: Code specifying special transportation handling instructions

Code List Summary (Total Codes: 573, Included: 10)

Code Name

DA Dangerous

EL Environmental Control Limits

Description: The items contained in the shipment are subject to environmental controls whose limits are specified in the contract

FL Flammable

FR Fragile - Handle with Care

HM Endorsed as Hazardous Material

IC Ice

PG Poisonous Gas

DNF Do Not Freeze

Description: Specifies that the temperature of a shipment must not go below the freezing point during transit

MRF Refrigerated

OTC Temperature Control

TD402	208	Hazardous Material Code Qualifier	X	ID	1/1	Used
-------	-----	-----------------------------------	---	----	-----	------

Description: Code which qualifies the Hazardous Material Class Code (209)

Code List Summary (Total Codes: 14, Included: 2)

Code Name

B Uniform Fire Code (UFC)

User Note 1:

See External Code Source 707 in Section III for reference document.

D Hazardous Materials ID, DOT

User Note 1:

See External Code Source 52 in Section III for reference document.

TD403	209	Hazardous Material Class Code	X	AN	1/4	Used
-------	-----	-------------------------------	---	----	-----	------

Description: Code specifying the kind of hazard for a material

TD404	352	Description	X	AN	1/80	Used
-------	-----	-------------	---	----	------	------

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

Syntax Rules:

1. R010204 - At least one of TD401, TD402 or TD404 is required.
2. C0203 - If TD402 is present, then TD403 is required.

Semantics:

1. TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.

LDT Lead Time

Pos: 1400	Max: 1
Detail - Optional	
Loop: LIN	Elements: 3

User Option (Usage): Used

Purpose: To specify lead time for availability of products and services

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>
LDT01	345	Lead Time Code	M	ID	2/2	Must use
Description: Code indicating the time range						
Code List Summary (Total Codes: 33, Included: 2)						
Code Name						
AE From date of PO receipt to shipment						
AF From date of PO receipt to delivery						
LDT02	380	Quantity	M	R	1/15	Must use
Description: Numeric value of quantity						
LDT03	344	Unit of Time Period or Interval	M	ID	2/2	Must use
Description: Code indicating the time period or interval						
Code List Summary (Total Codes: 60, Included: 2)						
Code Name						
DA Calendar Days						
DW Work Days						

Semantics:

1. LDT04 is the effective date of lead time information.

Comments:

1. LDT02 is the quantity of unit of time periods.

TC2 Commodity

Pos: 1650	Max: 2
Detail - Optional	
Loop: LIN	Elements: 2

User Option (Usage): Used

Purpose: To identify a commodity or a group of commodities or a tariff page commodity

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>
TC201	23	Commodity Code Qualifier	M	ID	1/1	Must use

Description: Code identifying the commodity coding system used for Commodity Code

Code List Summary (Total Codes: 28, Included: 3)

Code Name

A Harmonized Tariff Schedule of the United States Annotated

Description: Classification of imported merchandise for rate of duty and statistical purposes

User Note 1:

See External Code Source 6 in Section III for reference document.

N National Motor Freight Classification (NMFC)

User Note 1:

See External Code Source 11 in Section III for reference document.

T Standard Transportation Commodity Code (STCC)

User Note 1:

See External Code Source 13 in Section III for reference document.

TC202	22	Commodity Code	M	AN	1/30	Must use
-------	----	-----------------------	---	----	------	----------

Description: Code describing a commodity or group of commodities

User Note 1: See External Code Source 11 in Section III for reference document.

G55 Item Characteristics - Consumer Unit

Pos: 1680	Max: 1
Detail - Optional	
Loop: LIN	Elements: 28

User Option (Usage): Used

Purpose: To provide physical characteristics relative to a consumer unit

User Note 1:

This segment shall only provide the physical characteristics relative to a consumer selling unit.

When changing a (UP) GTIN UCC-12, the new code is identified in LIN02/LIN03 and G5501/G5502 and the replaced (UP) GTIN UCC-12 is indicated in G5529/G5530.

The dimensions of the consumer unit may be specified by using G5505 through G5510.

G5506, G5508 and G5510 must be in the same unit or basis for measurement code.

This segment is used to specify the packaging of the item in the case or carton. There may be two levels of packaging specified. The first level is always specified by using G5513 (Pack).

The first level may be actual items, e.g., consumer units, or it may be the number of smaller containers within the case. The second level, specified using G5532 (Inner Pack), is the number of eaches in each inner container when G5513 is the number of smaller containers within the case. See Section V - EDI Conventions (Pack/Inner Pack Usage) for usage examples.

G5514 and G5515 should be used only if different from G3918 and G3919.

This segment may be used to specify the weight of the consumer unit by using G5523, G5524, and G5525. The volume (cube) of the consumer unit may be specified by using G5511 and G5512.

This segment can be used also to specify the type of packaging for the consumer unit by using G5533.

User Note 2:

Within the segment when communicating the data measurements in data elements G5505 - 65 Height, G5507 - 189 Width, G5509 - 82 Length, the front face of the item is to be established using the GS1 General Specifications document, Section 6.8, Package Measurement Rules for Data Alignment.

See Code Source 41.

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)

Code List Summary (Total Codes: 530, Included: 3)

Code Name

EN GTIN EAN/UCC - 13

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

EO GTIN EAN/UCC - 8

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

UP GTIN UCC - 12

Description: Data structure for the 12 digit EAN.UCC (EAN International.Uniform

		<u>Code</u>	<u>Name</u>				
			Code Council) Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)				
G5502	234	Product/Service ID		M	AN	1/48	Must use
		Description:	Identifying number for a product or service				
G5505	65	Height		X	R	1/8	Used
		Description:	Vertical dimension of an object measured when the object is in the upright position				
		User Note 1:	The front face of the item is to be established using the GS1 General Specifications Document, Section 6.8 Package Measurement Rules for Data Alignment.				
			See Code Source 41.				
G5506	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				
		Code List Summary	(Total Codes: 884, Included: 4)				
		Code	Name				
		CM	Centimeter				
		DM	Decimeter				
		MM	Millimeter				
		MR	Meter				
G5507	189	Width		X	R	1/8	Used
		Description:	Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
		User Note 1:	The front face of the item is to be established using the GS1 General Specifications Document, Section 6.8 Package Measurement Rules for Data Alignment.				
			See Code Source 41.				
G5508	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				
		User Note 1:	See G5506 code list.				
G5509	82	Length		X	R	1/8	Used
		Description:	Largest horizontal dimension of an object measured when the object is in the upright position				
		User Note 1:	The front face of the item is to be established using the GS1 General Specifications Document, Section 6.8 Package Measurement Rules for Data Alignment.				
			See Code Source 41.				
G5510	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				
		User Note 1:	See G5506 for code list.				
G5511	183	Volume		X	R	1/8	Used
		Description:	Value of volumetric measure				
		User Note 1:	The cube of an item.				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G5512	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

Code List Summary (Total Codes: 884, Included: 2)

Code Name

CC Cubic Centimeter
CR Cubic Meter

G5513	356	Pack	O	N0	1/6	Used
-------	-----	-------------	---	----	-----	------

Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container

G5514	357	Size	X	R	1/8	Used
-------	-----	-------------	---	---	-----	------

Description: Size of supplier units in pack

G5515	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

User Note 1: See Section III for code list.

Code List Summary (Total Codes: 884, Included: 82)

Code Name

12 Packet

15 Stick

1N Count

26 Actual Tons

2W Bin

Description: Storage container used as a unit of measurement

50 Actual Kilograms

AF Centigram

Description: A unit of metric weight equal to 0.01 gram or 0.000035 ounce

AM Ampoule

AR Suppository

AS Assortment

AV Capsule

Description: A compact metallic or plastic container for liquids or solids

AZ British Thermal Units (BTUs) per Pound

BA Bale

BF Board Feet

BG Bag

BK Book

BO Bottle

BP 100 Board Feet

BR Barrel

BX Box

C3 Centiliter

CA Case

<u>Code</u>	<u>Name</u>
CC	Cubic Centimeter
CE	Centigrade, Celsius
	User Note 1:
	Degrees
CF	Cubic Feet
CH	Container
CI	Cubic Inches
CM	Centimeter
CN	Can
CR	Cubic Meter
CT	Carton
CW	Hundred Pounds (CWT)
CX	Coil
CY	Cubic Yard
DA	Days
DC	Disk (Disc)
DG	Decigram
DL	Deciliter
DM	Decimeter
DZ	Dozen
EA	Each
F2	International Unit
	Description: A unit accepted by an international agency; potency of a drug/vitamin based on a specific weight of that drug/vitamin
FG	Transdermal Patch
	Description: A drug delivery system which is placed on the skin and releases a drug at a constant rate through the skin
FO	Fluid Ounce
FT	Foot
	User Note 1:
	Feet
FZ	Fluid Ounce (Imperial)
	Description: A liquid unit of measure equal to 1/20 (.05) pint (Imperial), 28.416 cubic centimeters, or 28.416 milliliters
GA	Gallon
GN	Gross Gallons
GR	Gram
IH	Inhaler
	Description: Metered-dose pressurized method of getting medication into the lungs or nasal passages
IN	Inch
KG	Kilogram
KT	Kit
LB	Pound
LT	Liter
ME	Milligram
MJ	Minutes

Code Name

ML Milliliter
MM Millimeter
MO Months
MR Meter
OZ Ounce - Av
P1 Percent
PC Piece
PD Pad
PH Pack (PAK)
PL Pallet/Unit Load
PR Pair
PT Pint
QB Pages - Hardcopy

Description: Number of printed pages delivered

RL Roll
SH Sheet
ST Set
SZ Syringe

Description: Glass or plastic barrels used to administer fluid medication under the skin, into a vein artery, or into a muscle

TB Tube
U2 Tablet

Description: A compressed or molded block of solid material; a collection of sheet paper glued together at one edge

UN Unit
V2 Pouch
VI Vial
Y4 Tub

Description: A measure used to identify a storage container

YD Yard
YR Years

G5516 878 **Cash Register Item Description** O AN 1/20 Used

Description: The cash register description of an item

User Note 1: In Canada, this is the English cash register description.

G5517 878 **Cash Register Item Description** O AN 1/20 Used

Description: The cash register description of an item

User Note 1: In Canada, this is the French cash register description.

G5518 879 **Coupon Family Code** O AN 3/3 Used

Description: A code assigned by the vendor to a single item or to families of consumer items that can be used by in-store scanners in conjunction with a UPC coupon value code for instant credit when the proper item has been purchased

G5519 880 **Dated Product Number of Days** O N0 1/4 Used

Description: Used to designate the number of days open dated product must 'sell by' from date of manufacture

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G5521	1073	Yes/No Condition or Response Code	O	ID	1/1	Used
Description: Code indicating a Yes or No condition or response						
Code List Summary (Total Codes: 4, Included: 2)						
Code Name						
N No						
Y Yes						
G5523	395	Unit Weight	X	R	1/8	Used
Description: Numeric value of weight per unit						
User Note 1: The weight of an item.						
G5524	187	Weight Qualifier	X	ID	1/2	Used
Description: Code defining the type of weight						
Code List Summary (Total Codes: 52, Included: 1)						
Code Name						
G Gross Weight						
G5525	188	Weight Unit Code	X	ID	1/1	Used
Description: Code specifying the weight unit						
Code List Summary (Total Codes: 8, Included: 4)						
Code Name						
G Grams						
K Kilograms						
L Pounds						
O Ounces						
G5526	395	Unit Weight	X	R	1/8	Used
Description: Numeric value of weight per unit						
G5527	187	Weight Qualifier	X	ID	1/2	Used
Description: Code defining the type of weight						
Code List Summary (Total Codes: 52, Included: 5)						
Code Name						
B Billed Weight						
User Note 1:						
Used only by the grocery industry						
N Actual Net Weight						
T Tare Weight						
User Note 1:						
Weight of the casing						
Used only by the Canadian grocery industry.						
A3 Shippers Weight						
DR Drained Weight						
User Note 1:						

Code Name

Used only by the grocery industry

G5528 188 **Weight Unit Code** X ID 1/1 Used

Description: Code specifying the weight unit

Code List Summary (Total Codes: 8, Included: 4)

Code Name

G Grams
K Kilograms
L Pounds
O Ounces

G5529 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)

User Note 1: See G5501 for code list.

Code List Summary (Total Codes: 530, Included: 4)

Code Name

EN GTIN EAN/UCC - 13
Description: Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)
EO GTIN EAN/UCC - 8
Description: Data structure for the 8 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)
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)
UP GTIN UCC - 12
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.)

G5530 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

G5532 810 **Inner Pack** O N0 1/6 Used

Description: The number of eaches per inner container

G5533 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

Code List Summary - Part 1/2 (Total Codes: 157, Included: 45)

Code Name

AMM Ammo Pack
BAG Bag
BAL Bale
BBL Barrel
BDL Bundle

Code Name

BEM Beam
BLK Bulk
BOT Bottle
BOX Box

User Note 1:

Box or carton

BRK Brick Pack

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

CAN Can

CAS Case

CHE Cheeses

COL Coil

CRT Crate

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

User 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

User Note 1:

Package, card, or blister card

PLT Pallet

POU Pouch

PWT Plastic-Wrapped Tray

REL Reel

ROL Roll

SAH Sachet

Code Name

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

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

Code List Summary - Part 2/2 (Total Codes: 58, Included: 17)

Code Name

25 Corrugated or Solid

User Note 1:

Corrugated or solid packaging does not require repackaging for shipment

31 Fibre

User Note 1:

Fiber packaging usually requires repackaging for shipment

43 Glass

58 Metal

64 Molded Plastic

71 Not Otherwise Specified

72 Paper - VCI

Description: Water-resistant paper that is treated by the addition of materials to provide resistance to damage or deterioration by water in liquid form

75 Plastic - Vacuum Formed

Description: Packaging material that is formed by heating plastic sheet and drawing it against the mold surface by evacuating the air between the sheet and the mold

76 Paper

77 Plastic - Structural Foam

Description: A method of manufacturing containers and shipping devices by mixing plastic resins with a foaming agent, heating it and injecting the mix into a two-piece machined aluminum mold

78 Plastic - Injection Molded

Description: Packaging material that is formed by melting the material and then forcing it under pressure into a cavity of a closed mold

79 Plastic

80 Polyethylene Lined

84 Polystyrene

<u>Code</u>	<u>Name</u>	Description:
		A polymer prepared by the polymerization of styrene as the sole monomer
86	Foam	Description: In packaging, a cushioning material used to reduce shock and vibration or abrasion
87	Polycoated	
94	Wood	

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
1820	G36	Price List Reference	O	1		Used
2000	CUR	Currency	O	5		Used
2250	REF	Reference Information	O	>1		Used
2270	G43	Promotion/Price List Area	O	9999		Used
2280	SAC	Service, Promotion, Allowance, or Charge Information	O	>1		Used
2290	G26	Pricing Conditions	O	99		Used

CTP Pricing Information

Pos: 1700	Max: 1
Detail - Optional	
Loop: CTP	Elements: 6

User Option (Usage): Used

Purpose: To specify pricing information

User Note 1:

Price information may be sent in either the CTP segment or the G40 segment, but not both. When specifying pricing in the G40 segment, at least one of CTP01 or CTP02 is required, and CTP03 is 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>
CTP01	687	Class of Trade Code	O	ID	2/2	Used

Description: Code indicating class of trade

Code List Summary (Total Codes: 62, Included: 11)

Code Name

AG Agent
 BG Buying Group
 CR Chain Store Retail
 CY Convenience Store
 DE Dealer
 DF Doctors' Offices
 DI Distributor
 HS Hospitals
 RS Resale

User Note 1:

Retailer

WH Wholesaler
 WS User

CTP02	236	Price Identifier Code	X	ID	3/3	Used
-------	-----	------------------------------	---	----	-----	------

Description: Code identifying pricing specification

Code List Summary (Total Codes: 168, Included: 6)

Code Name

BCH Base Charge

User Note 1:

Deposit Amount

DSD Direct Store Delivery
 MSR Manufacturer's Suggested Retail

User Note 1:

SUGGESTED RETAIL - Price that is printed on ticket identified as suggested retail.

PRP Promotional price

User Note 1:

Promotion/Event

RTL Retail
 UCP Unit cost price

		<u>Code</u>	<u>Name</u>				
		User Note 1:					
		UNIT COST - Standard wholesale cost of an item.					
CTP03	212	Unit Price	X	R	1/17	Used	
		Description: Price per unit of product, service, commodity, etc.					
		User 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					
CTP05	C001	Composite Unit of Measure	X	Comp		Used	
		Description: To identify a composite unit of measure (See Figures Appendix for examples of use)					
		Comments:					
		1. If C001-02 is not used, its value is to be interpreted as 1.					
		2. If C001-03 is not used, its value is to be interpreted as 1.					
		3. If C001-05 is not used, its value is to be interpreted as 1.					
		4. If C001-06 is not used, its value is to be interpreted as 1.					
		5. If C001-08 is not used, its value is to be interpreted as 1.					
		6. If C001-09 is not used, its value is to be interpreted as 1.					
		7. If C001-11 is not used, its value is to be interpreted as 1.					
		8. If C001-12 is not used, its value is to be interpreted as 1.					
		9. If C001-14 is not used, its value is to be interpreted as 1.					
		10. If C001-15 is not used, its value is to be interpreted as 1.					
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					
		Code List Summary (Total Codes: 884, Included: 7)					
		<u>Code</u>	<u>Name</u>				
		CA	Case				
		EA	Each				
		GR	Gram				
		KG	Kilogram				
		LB	Pound				
		OZ	Ounce - Av				
		PL	Pallet/Unit Load				
CTP09	639	Basis of Unit Price Code	O	ID	2/2	Used	
		Description: Code identifying the type of unit price for an item					
		Code List Summary (Total Codes: 98, Included: 1)					
		<u>Code</u>	<u>Name</u>				
		NT	Net				
		Description: Indicates a net unit price					

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

User Note 1:

Codes 196 and 197 specify the applicable dates for the prices specified in the preceding CTP segment, e.g., effective date or expiration date.

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

Code List Summary (Total Codes: 1288, Included: 2)

<u>Code</u>	<u>Name</u>
196	Start
197	End

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.

G36 Price List Reference

Pos: 1820	Max: 1
Detail - Optional	
Loop: CTP	Elements: 3

User Option (Usage): Used

Purpose: To provide price list references and descriptions

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>
G3601	439	Price List Number	M	AN	1/16	Must use
Description: Identification number assigned by a vendor to a price list						
G3602	440	Price List Issue Number	O	AN	1/16	Used
Description: Number assigned to revised or new issues of a price list						
G3603	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						

Semantics:

1. G3603 is the issue date of the price list.

CUR Currency

Pos: 2000	Max: 5
Detail - Optional	
Loop: CTP	Elements: 3

User Option (Usage): Used

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

User 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						
Code List Summary (Total Codes: 1504, 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						
User Note 1: See External Code Source 5 in Section III for reference document.						
CUR03	280	Exchange Rate	O	R	4/10	Used
Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another						

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

User Note 1:

Use multiple iterations of the REF segment to specify additional retailers to which the price applies.

When REF01 contains code "YD", REF02 specifies the Retailer Identification Number for the catalog service provider as used in BCT06.

When REF01 contains code "CT", REF02 identifies the contract number effective for the price specified in the associated CTP 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>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
Description: Code qualifying the Reference Identification						
Code List Summary (Total Codes: 1754, Included: 1)						
Code Name						
YD Buyer Identification						
REF02	127	Reference Identification	X	AN	1/50	Must use
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

Syntax Rules:

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

Semantics:

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

G43 Promotion/Price List Area

Pos: 2270	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	Market Area Code Qualifier	M	ID	1/3	Must use

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

Code List Summary (Total Codes: 15, Included: 5)

Code Name

- 001 Pricing Market
- 002 Store Number
- 006 All Stores

Description: All retail stores within a market area

- 009 State or Province Abbreviation Code

User Note 1:

Code 001 (Pricing Market) is used only when the specific market area is not codified.

See External Code Source 22 in Section III for reference document.

- GLN Global Location Number (GLN)

Description: A globally unique 13 digit code for the identification of a legal, functional, or physical location within the GS1 system

User Note 1:

See External Code Source 583 for reference document.

G4302	767	Market Area Code Identifier	O	AN	1/13	Used
-------	-----	-----------------------------	---	----	------	------

Description: A unique identification of a market area

G4303	352	Description	O	AN	1/80	Used
-------	-----	-------------	---	----	------	------

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

G4304	687	Class of Trade Code	O	ID	2/2	Used
-------	-----	---------------------	---	----	-----	------

Description: Code indicating class of trade

Code List Summary (Total Codes: 62, Included: 8)

Code Name

- CY Convenience Store
- 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

Code Name

ML Military

PY Private Label

WC Warehouse Clubs

Description: Membership club stores dealing in large volume direct shipments in both food and nonfood items

Semantics:

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

SAC Service, Promotion, Allowance, or Charge Information

Pos: 2280	Max: >1
Detail - Optional	
Loop: CTP	Elements: 14

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

User Note 1:

This segment is used to convey service, charge and allowance information related to the price sent in the associated CTP segment.

There is one segment for each Allowance, Charge, Service, or Promotion being specified. If this segment appears in the header area of the transaction set, the data applies to the entire transaction set. If this segment appears in the detail area of the transaction set, the data applies only to that line item. The data specified in the header area is exclusive of the data specified in the detail area; it is not the sum of the data in the detail area, i.e., allowances or charges.

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>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

Code List Summary (Total Codes: 7, Included: 3)

Code Name

A Allowance
C Charge
N No Allowance or Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
-------	------	--	---	----	-----	------

Description: Code identifying the service, promotion, allowance, or charge

Code List Summary (Total Codes: 1090, Included: 58)

Code Name

A320 Air Transportation Charge
A445 Anti-dumping Duty
A730 Brokerage or Duty
A890 Cancelled Order, Heavy Duty Flatcar
B560 Container Allowance
B570 Container Deposits
B720 Cooperative Advertising/Merchandising Allowance (Performance)
B787 Countervailing Duty
B872 Customs Duty
C040 Delivery
C110 Deposit
C350 Distributor Discount/Allowance
C530 Duty Charge
C531 Duty Drawback

<u>Code</u>	<u>Name</u>
C680	Environmental Protection Service
D103	Foreign Customs Duty
D170	Free Goods
D350	Goods and Services Credit Allowance
D360	Goods and Services Tax Charge
D590	Heavy Duty Flat Car Charge
D701	International Air Transport Association (IATA) Commission
D710	IATA Fee
D711	International Air Transport Association (IATA) Markup
D800	Inland Transportation
E382	Liquidation Anti-Dumping Duty
E384	Liquidation Countervailing Duty
E565	Markdown Allowance
E730	New Item Allowance
E740	New Store Allowance
E750	New Store Discount
E760	New Warehouse Discount
F050	Other (See related description)
F180	Pallet
F330	Pickup and Delivery
F340	Pick/Up
F560	Premium Transportation
F650	Preparation
F810	Promotional Discount
F910	Quantity Discount
G322	Reliquidation Anti-Dumping Duty
G324	Reliquidation Countervailing Duty
H000	Special Allowance
H215	Specific Duty
H490	Subject To Tax On Resale
H535	Supplemental Duty
H770	Tax - State Tax
H806	Tax Credit
H840	Tax on Transportation
I170	Trade Discount
I240	Transportation And Setup
I250	Transportation Charge (Minimum Rate)
I260	Transportation Direct Billing
I270	Transportation Third Party Billing
I280	Transportation Vendor Provided
I310	Truckload Discount
I410	Unsaleable Merchandise Allowance
R080	Packing, Crating, Handling, and Transportation Charge
ZZZZ	Mutually Defined

SAC03	559	Agency Qualifier Code	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 agency assigning the code values

Code List Summary (Total Codes: 195, Included: 1)

Code Name

VI Voluntary Inter-Industry Commerce Standard (VICS) EDI

User Note 1:

See External Code Source 70 in Section III for reference document.

SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN	1/10	Used
-------	------	---	---	----	------	------

Description: Agency maintained code identifying the service, promotion, allowance, or charge

User Note 1: See External Code Source 46 in Section III for reference document.

See Section III, data element 1301, for code list. NOTE: Only Part 1 codes AR, CS, GC, GP, GW, HA, IN, MO, MR, and OH (with Part 2) pertain to this Canadian profile.

SAC05	610	Amount	O	N2	1/15	Used
-------	-----	---------------	---	----	------	------

Description: Monetary amount

User Note 1: When SAC01 contains code A or code C, then this data element is required. This will resolve any differences between the sender's and receiver's system calculations of amounts, i.e., rounding errors when allowances or charges are expressed in percentages or rates.

SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Used
-------	-----	---	---	----	-----	------

Description: Code indicating on what basis allowance or charge percent is calculated

Code List Summary (Total Codes: 16, Included: 7)

Code Name

1 Item List Cost

2 Item Net Cost

3 Discount/Gross

User Note 1:

All allowances are off the gross price including cash discount.

4 Discount/Net

User Note 1:

All allowances are off the gross price. Cash discounts are off the net.

5 Base Price per Unit

User Note 1:

Line item discount

6 Base Price Amount

7 Base Price Amount Less Previous Discount

User Note 1:

Declining balance method

SAC07	332	Percent, Decimal Format	X	R	1/6	Used
-------	-----	--------------------------------	---	---	-----	------

Description: Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)

User Note 1: The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC08	118	Rate	O	R	1/9	Used
		Description: Rate expressed in the standard monetary denomination for the currency specified				
SAC09	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				
		Code List Summary (Total Codes: 884, Included: 7)				
		Code	Name			
		CA	Case			
		EA	Each			
		GR	Gram			
		KG	Kilogram			
		LB	Pound			
		OZ	Ounce - Av			
		PL	Pallet/Unit Load			
SAC10	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
		User Note 1: When SAC02 contains code D170, this data element is required and will contain the quantity of free goods. The unit of measure is in SAC09.				
		SAC10 alone is used to indicate a specific quantity which could be a dollar amount, that is applicable to the service, promotion, allowance, or charge.				
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
		Description: Code indicating method of handling for an allowance or charge				
		Code List Summary (Total Codes: 22, Included: 6)				
		Code	Name			
		01	Bill Back			
			User Note 1:			
			The allowance or charge amount will be adjudicated as a separate item, i.e., a debit/credit memo or a separate invoice. The amount will not be reflected in the invoice total amount.			
		02	Off Invoice			
			User Note 1:			
			The allowance or charge amount will be reflected in the total transaction amount, e.g., Total Invoice Amount = Merchandise Price + Charges - Allowances.			
		03	Vendor Check to Customer			
			User Note 1:			
			The vendor will issue a check directly to the customer of the retailer, or end consumer, for the allowance or charge amount. The amount is not reflected in the total invoice amount.			
		04	Credit Customer Account			
			User Note 1:			
			The retailer's account will be credited for the amount of the allowance or charge. The amount is not reflected in the total invoice amount.			
		05	Charge to be Paid by Vendor			

Code Name

User Note 1:

The vendor is responsible for the allowance or charge amount. The trading partners have agreed to the exact amount of adjudication. The amount will not be reflected in the total invoice amount.

06 Charge to be Paid by Customer

User Note 1:

When the order/item is a direct ship to the customer, or end consumer of the retailer, the allowance or charge amount is the responsibility of the customer or end consumer. If it is not a drop ship to the customer of the retailer, then the allowance or charge amount is the responsibility of the retailer. The exact method of adjudication has been agreed to by the trading partners. The amount will not be reflected in the total invoice amount.

SAC13 127 **Reference Identification** X AN 1/50 Used

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

SAC15 352 **Description** X AN 1/80 Used

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

SAC16 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)

User Note 1: See External Code Source 102 in Section III for reference document.

User Note 2: DA - Danish

EN - English

FI - Finnish

FR - French

IT - Italy

JA - Japanese

KO - Korean

NL - Dutch

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

G26 Pricing Conditions

Pos: 2290	Max: 99
Detail - Optional	
Loop: CTP	Elements: 6

User Option (Usage): Used

Purpose: To specify vendor's conditions related to price change

User Note 1:

If G2601 contains code 01, then the price is protected until the date in G2602 and G2603 or for the number of days in G2604, G2605, and G2606 using code DA in G2606.

If G2601 contains code 02, then G2604, G2605, and G2606 define the allocation.

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>
G2601	290	Price Condition Code	M	ID	2/2	Must use

Description: Code identifying a particular condition applicable to a price change

Code List Summary (Total Codes: 24, Included: 2)

Code Name

01 Price Protection Applies
02 Allocation Applies

G2602	432	Date Qualifier	X	ID	2/2	Used
-------	-----	----------------	---	----	-----	------

Description: Code specifying type of date

Code List Summary (Total Codes: 139, Included: 6)

Code Name

03 Invoice Date
11 Shipped on This Date
35 Delivered on This Date
52 Ordered
AA Store Inventory Stock
AB Warehouse Inventory Stock

G2603	373	Date	X	DT	8/8	Used
-------	-----	------	---	----	-----	------

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

G2604	292	Quantity Basis	X	ID	3/3	Used
-------	-----	----------------	---	----	-----	------

Description: Identifies the total product allocation condition

Code List Summary (Total Codes: 2, Included: 2)

Code Name

001 Quantity per Customer Allowed
002 Quantity per Market Allowed

G2605	380	Quantity	X	R	1/15	Used
-------	-----	----------	---	---	------	------

Description: Numeric value of quantity

G2606	355	Unit or Basis for Measurement Code	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 specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

User Note 1: See Section III for code list.

Code List Summary (Total Codes: 884, Included: 7)

Code Name

CA	Case
EA	Each
GR	Gram
KG	Kilogram
LB	Pound
OZ	Ounce - Av
PL	Pallet/Unit Load

Syntax Rules:

1. P0203 - If either G2602 or G2603 is present, then the other is required.
2. P040506 - If either G2604, G2605 or G2606 are present, then the others are required.

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

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

Code List Summary (Total Codes: 1504, Included: 8)

Code Name

9C Country of Destination
CT Country of Origin

User Note 1:

The country where the product is manufactured. N104 will contain the country code.

HA Owner
II Issuer of Invoice
MF Manufacturer of Goods
SF Ship From

User Note 1:

Point of Origin - Shipping location.

ACV Information Source
SUS Supply Source

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)

Code List Summary (Total Codes: 249, Included: 3)

Code Name

9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix

User Note 1:

See External Code Source 16 in Section III for reference document.

38 Country Code

User Note 1:

See External Code Source 5 in Section III for reference document.

UL Global Location Number (GLN)

Description: The 13 digit Global Location Number (GLN).

User Note 1:

See External Code Source 583 in Section III for reference document.

N104	67	Identification Code	X	AN	2/80	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 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

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

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				
		User Note 1: See External Code Source 22 in Section III for reference document.				
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)				
		User Note 1: See External Code Source 51 in Section III for reference document.				
N404	26	Country Code	X	ID	2/3	Used
		Description: Code identifying the country				
		User Note 1: See External Code Source 5 in Section III for reference document.				

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

G39 Item Characteristics - Vendor's Selling Unit

Pos: 2830	Max: 1
Detail - Optional	
Loop: G39	Elements: 25

User Option (Usage): Used

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

User Note 1:

ITEM MAINTENANCE

This segment should be used to identify a vendor's selling unit.

G3902/G3903 should be used to identify an item.

When a new item is added (BCT10 contains code 02, or BCT10 contains code 00 and G5301 contains code 003) and is a permanent replacement for an existing item, the new item is identified in LIN02/LIN03 and G3902/G3903, and the replaced item is identified in G3923/G3924.

The product being replaced should be deleted in an additional LIN loop or separate 832 transaction set.

When a new item is added (BCT10 contains code 02) and is a temporary substitution for an existing item, the new item is identified in LIN02/LIN03 and G3902/G3903, and the substituted item is identified in G3923/G3924.

This segment may be used to specify the weight of the vendor selling unit by using G3905, G3906, and G3907. The volume (cube) of the vendor selling unit may be specified by using G3914 and G3915.

The dimensions of the vendor selling unit may be specified by using G3908 through G3913.

This segment is used to specify the packaging of the item in the case or carton. There may be two levels of packaging specified.

The first level is always specified by using G3917 (Pack). The first level may be actual items, e.g., consumer units, or it may be the number of smaller containers within the case.

The second level, specified using G3927 (Inner Pack), is the number of eaches in each inner container when G3917 is the number smaller containers within the case.

See Section V - EDI Conventions, Pack/Inner Pack Usage, for usage examples.

This segment can be used also to specify the type of packaging for the vendor selling unit by using G3928.

User Note 2:

Within this segment, when communicating the data measurements in data elements G3908 - 65 Height, G3910 - 189 Width, G3912 - 82 Length, the front face of the item is to be established using the GS1 General Specifications document, Section 6.8 Package Measurement Rules for Data Alignment.

User Note 3:

See Code Source 41.

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>
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)

Code List Summary (Total Codes: 530, Included: 5)

Code Name

CA Case

Code Name

User Note 1:

GTIN EAN/UCC-14 digit Shipping Unit - The data structure for the 14 digit EAN.UCC Global Trade Item Number that uniquely identifies a manufacturers shipping unit encompassing non-consumer trade units such as cases, pallets, and inner packs. The number includes the packaging indicator and check digit.

- EN GTIN EAN/UCC - 13
Description: Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)
- EO GTIN EAN/UCC - 8
Description: Data structure for the 8 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)
- 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)
- UP GTIN UCC - 12
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.)

G3903	234	Product/Service ID	X	AN	1/48	Used
-------	-----	---------------------------	---	----	------	------

Description: Identifying number for a product or service

G3904	152	Special Handling Code	O	ID	2/3	Used
-------	-----	------------------------------	---	----	-----	------

Description: Code specifying special transportation handling instructions

Code List Summary (Total Codes: 573, Included: 12)

Code Name

- EL Environmental Control Limits
Description: The items contained in the shipment are subject to environmental controls whose limits are specified in the contract
- FL Flammable
- HM Endorsed as Hazardous Material
- IC Ice
- PG Poisonous Gas
- DNF Do Not Freeze
Description: Specifies that the temperature of a shipment must not go below the freezing point during transit
- MRF Refrigerated
- OPR Perishable
- OSB Stow Below Deck
- OTC Temperature Control
- PFH Protect From Heat
- PHR Per Hour Rates Applied

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

Description: Numeric value of weight per unit

User Note 1: Gross weight of the vendor's selling unit in G3902/G3903

G3906	187	Weight Qualifier	X	ID	1/2	Used
-------	-----	-------------------------	---	----	-----	------

Description: Code defining the type of weight

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

Code List Summary (Total Codes: 52, Included: 1)

Code Name

G Gross Weight

G3907	188	Weight Unit Code	X	ID	1/1	Used
-------	-----	-------------------------	---	----	-----	------

Description: Code specifying the weight unit

Code List 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

User Note 1: The front face of the item is to be established using the GS1 General Specifications Document, Section 6.8 Package Measurement Rules for Data Alignment.

See Code Source 41.

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

Code List Summary (Total Codes: 884, 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

User Note 1: The front face of the item is to be established using the GS1 General Specifications Document, Section 6.8 Package Measurement Rules for Data Alignment.

See Code Source 41.

G3911	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

Code List Summary (Total Codes: 884, Included: 4)

Code Name

CM Centimeter
DM Decimeter
MM Millimeter
MR Meter

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G3912	82	Length	X	R	1/8	Used

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

User Note 1: The front face of the item is to be established using the GS1 General Specifications Document, Section 6.8 Package Measurement Rules for Data Alignment.

See Code Source 41.

G3913	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

User Note 1: See Section III for code list.

Code List Summary (Total Codes: 884, Included: 4)

Code Name

CM Centimeter
DM Decimeter
MM Millimeter
MR Meter

G3914	183	Volume	X	R	1/8	Used
-------	-----	---------------	---	---	-----	------

Description: Value of volumetric measure

G3915	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

Code List Summary (Total Codes: 884, Included: 2)

Code Name

CC Cubic Centimeter
CR Cubic Meter

G3916	416	Pallet Block and Tiers	O	N0	6/6	Used
-------	-----	-------------------------------	---	----	-----	------

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

G3917	356	Pack	O	N0	1/6	Used
-------	-----	-------------	---	----	-----	------

Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container

User Note 1: MANUFACTURER PACK - The number of items in a manufacturer's package.

G3918	357	Size	X	R	1/8	Used
-------	-----	-------------	---	---	-----	------

Description: Size of supplier units in pack

G3919	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

Code List Summary (Total Codes: 884, Included: 51)

Code Name

12 Packet

Code	Name
15	Stick
1N	Count
50	Actual Kilograms
AF	Centigram
	Description: A unit of metric weight equal to 0.01 gram or 0.000035 ounce
AM	Ampoule
AR	Suppository
AV	Capsule
	Description: A compact metallic or plastic container for liquids or solids
BG	Bag
BO	Bottle
BX	Box
C3	Centiliter
CC	Cubic Centimeter
CM	Centimeter
CN	Can
CX	Coil
DC	Disk (Disc)
DG	Decigram
DL	Deciliter
DM	Decimeter
DZ	Dozen
EA	Each
F2	International Unit
	Description: A unit accepted by an international agency; potency of a drug/vitamin based on a specific weight of that drug/vitamin
FG	Transdermal Patch
	Description: A drug delivery system which is placed on the skin and releases a drug at a constant rate through the skin
FO	Fluid Ounce
FZ	Fluid Ounce (Imperial)
	Description: A liquid unit of measure equal to 1/20 (.05) pint (Imperial), 28.416 cubic centimeters, or 28.416 milliliters
GN	Gross Gallons
GR	Gram
IH	Inhaler
	Description: Metered-dose pressurized method of getting medication into the lungs or nasal passages
KG	Kilogram
KT	Kit
LT	Liter
ME	Milligram
ML	Milliliter
MM	Millimeter
MR	Meter
OZ	Ounce - Av
PC	Piece

Code Name

PD Pad

PH Pack (PAK)

PR Pair

QB Pages - Hardcopy

Description: Number of printed pages delivered

RL Roll

SH Sheet

ST Set

SZ Syringe

Description: Glass or plastic barrels used to administer fluid medication under the skin, into a vein artery, or into a muscle

TB Tube

U2 Tablet

Description: A compressed or molded block of solid material; a collection of sheet paper glued together at one edge

V2 Pouch

VI Vial

Y4 Tub

Description: A measure used to identify a storage container

G3920	397	Color	O	AN	1/10	Used
-------	-----	--------------	---	----	------	------

Description: Free-form description of color

G3923	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)

User Note 1: See G3902 for code list.

G3924	234	Product/Service ID	X	AN	1/48	Used
-------	-----	---------------------------	---	----	------	------

Description: Identifying number for a product or service

G3925	187	Weight Qualifier	X	ID	1/2	Used
-------	-----	-------------------------	---	----	-----	------

Description: Code defining the type of weight

Code List Summary (Total Codes: 52, Included: 5)

Code Name

B Billed Weight

User Note 1:

Used only by the grocery industry

N Actual Net Weight

T Tare Weight

User Note 1:

Weight of the casing.

Used only by Canadian grocery industry.

A3 Shippers Weight

DR Drained Weight

User Note 1:

Used only by the grocery industry

G3926	395	Unit Weight	X	R	1/8	Used
-------	-----	--------------------	---	---	-----	------

Description: Numeric value of weight per unit

User Note 1: Net weight of the vendor's selling unit in the same unit of measure as G3907.

G3927	810	Inner Pack	O	N0	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

Code List Summary - Part 1/2 (Total Codes: 157, Included: 45)

Code Name

- AMM Ammo Pack
- BAG Bag
- BAL Bale
- BBL Barrel
- BDL Bundle
- BEM Beam
- BLK Bulk
- BOT Bottle
- BOX Box

User Note 1:

Box or carton

BRK Brick Pack

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

CAN Can

CAS Case

CHE Cheeses

COL Coil

CRT Crate

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

User 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

Code Name

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

User 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

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

Code List Summary - Part 2/2 (Total Codes: 58, Included: 17)

Code Name

25 Corrugated or Solid

User Note 1:

Corrugated or solid packaging does not require repackaging for shipment

31 Fibre

User Note 1:

Fiber packaging usually requires repackaging for shipment

43 Glass

58 Metal

64 Molded Plastic

71 Not Otherwise Specified

<u>Code</u>	<u>Name</u>
72	Paper - VCI Description: Water-resistant paper that is treated by the addition of materials to provide resistance to damage or deterioration by water in liquid form
75	Plastic - Vacuum Formed Description: Packaging material that is formed by heating plastic sheet and drawing it against the mold surface by evacuating the air between the sheet and the mold
76	Paper
77	Plastic - Structural Foam Description: A method of manufacturing containers and shipping devices by mixing plastic resins with a foaming agent, heating it and injecting the mix into a two-piece machined aluminum mold
78	Plastic - Injection Molded Description: Packaging material that is formed by melting the material and then forcing it under pressure into a cavity of a closed mold
79	Plastic
80	Polyethylene Lined
84	Polystyrene Description: A polymer prepared by the polymerization of styrene as the sole monomer
86	Foam Description: In packaging, a cushioning material used to reduce shock and vibration or abrasion
87	Polycoated
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.
11. P0607 - If either G3906 or G3907 is present, then the other is required.

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

PKL Multi-Pack Configuration

Pos: 2850	Max: 1
Detail - Optional	
Loop: PKL	Elements: 12

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

User Note 1:

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

User Note 2:

Within this segment, when communicating the data measurements in data elements PKL05 - 65 Height, PKL06 - 189 Width, PKL07 - 677 Item Depth (length), the front face of the item is to be established using the GS1 General Specifications Document, Section 6.8 Package Measurement Rules for Data Alignment.

User Note 3:

See Code Source 41.

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)

Code List Summary (Total Codes: 530, Included: 5)

Code Name

EN GTIN EAN/UCC - 13

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

EO GTIN EAN/UCC - 8

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

PG Packaging Specification 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)

UP GTIN UCC - 12

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.)

PKL02	234	Product/Service ID	M	AN	1/48	Must use
-------	-----	---------------------------	---	----	------	----------

Description: Identifying number for a product or service

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

PKL03	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

Code List Summary (Total Codes: 884, Included: 1)

		<u>Code</u>	<u>Name</u>				
		EA	Each				
PKL04	380	Quantity		M	R	1/15	Must use
		Description: Numeric value of quantity					
		User Note 1: The quantity of consumer units contained in an inner pack.					
PKL05	65	Height		X	R	1/8	Used
		Description: Vertical dimension of an object measured when the object is in the upright position					
		User Note 1: The front face of the item is to be established using the GS1 General Specifications Document, Section 6.8 Package Measurement Rules for Data Alignment.					
		See Code Source 41.					
PKL06	189	Width		X	R	1/8	Used
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position					
		User Note 1: The front face of the item is to be established using the GS1 General Specifications Document, Section 6.8 Package Measurement Rules for Data Alignment.					
		See Code Source 41.					
PKL07	677	Item Depth		X	R	1/6	Used
		Description: The depth is the thickness of the product; in the dimension coordinate axes represented by X, Y and Z, depth is measured along the Z axis where X is the horizontal axis and Y is the vertical axis					
		User Note 1: Length / depth.					
		User Note 2: The front face of the item is to be established using the GS1 General Specifications Document, Section 6.8 Package Measurement Rules for Data Alignment.					
		See Code Source 41.					
PKL08	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					
		Code List Summary (Total Codes: 884, Included: 4)					
		<u>Code</u>	<u>Name</u>				
		CM	Centimeter				
		DM	Decimeter				
		MM	Millimeter				
		MR	Meter				
PKL09	384	Gross Weight per Pack		X	R	1/9	Used
		Description: Numeric value of gross weight per pack					
PKL10	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					
		User Note 1: See Section III for code list.					
PKL11	385	Gross Volume per Pack		X	R	1/9	Used
		Description: Numeric value of gross volume per pack					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PKL12	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

User Note 1: See Section III for code list.

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.

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: 24

User Option (Usage): Used

Purpose: To specify product subline detail item data

User 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						
Code List Summary (Total Codes: 5, Included: 3)						
Code Name						
D Delete						
I Included						
S Substituted						
SLN04	380	Quantity	X	R	1/15	Used
Description: Numeric value of quantity						
User Note 1: The quantity of items, identified by the SLN, that are contained within the prepack/setpack (assortment) identified in the LIN segment.						
SLN05	C001	Composite Unit of Measure	X	Comp		Used
Description: To identify a composite unit of measure (See Figures Appendix for examples of use)						
Comments:						
1. If C001-02 is not used, its value is to be interpreted as 1.						
2. If C001-03 is not used, its value is to be interpreted as 1.						
3. If C001-05 is not used, its value is to be interpreted as 1.						
4. If C001-06 is not used, its value is to be interpreted as 1.						
5. If C001-08 is not used, its value is to be interpreted as 1.						
6. If C001-09 is not used, its value is to be interpreted as 1.						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		7. If C001-11 is not used, its value is to be interpreted as 1. 8. If C001-12 is not used, its value is to be interpreted as 1. 9. If C001-14 is not used, its value is to be interpreted as 1. 10. If C001-15 is not used, its value is to be interpreted as 1.				
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				
		Code List Summary (Total Codes: 884, Included: 2)				
		Code Name				
		CA Case				
		EA Each				
SLN09	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)				
		Code List Summary (Total Codes: 530, Included: 4)				
		Code Name				
		EN GTIN EAN/UCC - 13				
		Description: Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)				
		EO GTIN EAN/UCC - 8				
		Description: Data structure for the 8 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)				
		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)				
		UP GTIN UCC - 12				
		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.)				
SLN10	234	Product/Service ID	X	AN	1/48	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)				
		User Note 1: See Section III for code list.				
SLN12	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN13	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)				
		User Note 1: See Section III for code list.				
SLN14	234	Product/Service ID	X	AN	1/48	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: Identifying number for a 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)				
		User Note 1: See Section III for code list.				
SLN16	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN17	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)				
		User Note 1: See Section III for code list.				
SLN18	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN19	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)				
		User Note 1: See Section III for code list.				
SLN20	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN21	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)				
		User Note 1: See Section III for code list.				
SLN22	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN23	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)				
		User Note 1: See Section III for code list.				
SLN24	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN25	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)				
		User Note 1: See Section III for code list.				
SLN26	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN27	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Product/Service ID (234)				
		User Note 1: See Section III for code list.				
SLN28	234	Product/Service ID	X	AN	1/48	Used

Description: Identifying number for a product or service

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	N0	1/6	Must use

Description: Total number of line items in the transaction set

User 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

User Note 1: This must be the same number as is in the ST segment (ST02) for the transaction set.

Comments:

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