



852 Product Activity Data - Canada

VICS EDI

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852 Product Activity Data - Canada

Functional Group=PD

Purpose: This X12 Transaction Set contains the format and establishes the data contents of the Product Activity Data Transaction Set (852) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to advise a trading partner of inventory, sales, and other product activity information. Product activity data enables a trading partner to plan and ship, or propose inventory replenishment quantities, for distribution centers, warehouses or retail outlets. The receiver of the transaction set will maintain some type of inventory/product movement records for its trading partners to enable replenishment calculations based on data provided by the distributor, warehouse or retailer.

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>	<u>Page</u>
0100	ST	Transaction Set Header	M	1			Must use	3
0200	XQ	Reporting Date/Action	M	1			Must use	4
0300	XPO	Preassigned Purchase Order Numbers	O	>1			Used	5
0400	N9	Extended Reference Information	O	>1			Used	6
* 0500	PER	Administrative Communications Contact	O	3				N/A
<u>LOOP ID - N1</u>				<u>200</u>	<u>N1/0600L</u>			7
0600	N1	Party Identification	O	1		N1/0600	Used	8
0700	N2	Additional Name Information	O	1			Used	10
0800	N3	Party Location	O	2			Used	11
0900	N4	Geographic Location	O	1			Used	12
* 1000	FOB	F.O.B. Related Instructions	O	1				N/A
* 1100	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1				N/A
1200	DTM	Date/Time Reference	O	>1			Used	13
* 1300	N9	Extended Reference Information	O	>1				N/A
1400	PER	Administrative Communications Contact	O	3			Used	14

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>	<u>Page</u>
<u>LOOP ID - LIN</u>					<u>999999</u>			15
0100	LIN	Item Identification	O	1			Used	16
0200	CTP	Pricing Information	O	25			Used	22
* 0250	SAC	Service, Promotion, Allowance, or Charge Information	O	>1				N/A
0300	PO4	Item Physical Details	O	1			Used	24
* 0400	N9	Extended Reference Information	O	>1				N/A
* 0500	AMT	Monetary Amount Information	O	10				N/A

<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>	<u>Page</u>
* 0600	PAL	Pallet Type and Load Characteristics	O	1				N/A
* 0700	QTY	Quantity Information	O	>1				N/A
LOOP ID - ZA					≥1	N2/0800L		26
0800	ZA	Product Activity Reporting	M	1		N2/0800	Must use	27
* 0900	QTY	Quantity Information	O	>1				N/A
* 1000	CTP	Pricing Information	O	25				N/A
1100	SDQ	Destination Quantity	O	>1			Used	31
LOOP ID - G95					1			34
1200	G95	Performance Requirements	O	1			Used	35
1300	DTM	Date/Time Reference	O	2			Used	39

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>	<u>Page</u>
0100	CTT	Transaction Totals	O	1		N3/0100	Used	40
0200	SE	Transaction Set Trailer	M	1			Must use	41

Notes:

- 1/0600L The reporting location is required. The reporting location is specified explicitly in the N1 segment using the code RL in N101, or implicitly using the SDQ segment (Table 2) with the location data elements. They are mutually exclusive (the SDQ and the N1 with N101 containing RL).
- 1/0600 The reporting location is required. The reporting location is specified explicitly in the N1 segment using the code RL in N101, or implicitly using the SDQ segment (Table 2) with the location data elements. They are mutually exclusive (the SDQ and the N1 with N101 containing RL).
- 2/0800L The quantity for the item identified in the LIN segment is required. Quantity is specified either in the ZA segment (ZA02) or in the SDQ segment.
- 2/0800 The quantity for the item identified in the LIN segment is required. Quantity is specified either in the ZA segment (ZA02) or in the SDQ segment.
- 3/0100 The number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction set. When sending item and activity data in the LIN loop, the CTT segment is required.

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

852 Product Activity Data

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Note 1: 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.

XQ Reporting Date/Action

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Must use

Purpose: To specify reporting dates, actions to be taken and an identifying number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
XQ01	305	Transaction Handling Code	M	ID	1/2	Must use

Description: Code designating the action to be taken by all parties

Note 1: Use of code F or G requires the supplier to advise the distributor/warehouse of replenishment quantity usually via Transaction Set 855 or Transaction Set 856.

Code List Summary (Total Codes: 23, Included: 3)

Code Name

- F Plan and Submit Suggested Purchase Order(s)
- G Plan Order(s) and Ship Product
- H Notification Only

XQ02	373	Date	M	DT	8/8	Must use
------	-----	------	---	----	-----	----------

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

XQ03	373	Date	O	DT	8/8	Used
------	-----	------	---	----	-----	------

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

Semantics:

- XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ03 is the end date.
- XQ04 is a unique report identifier assigned by the sender.

XPO Preassigned Purchase Order Numbers

Pos: 0300	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To transmit preassigned purchase order numbers

Note 1:

This segment is used only when purchase order number assignment has not previously been established by trading partners.

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>
XPO01	324	Purchase Order Number	M	AN	1/22	Must use
Description: Identifying number for Purchase Order assigned by the orderer/purchaser						
XPO02	324	Purchase Order Number	O	AN	1/22	Used
Description: Identifying number for Purchase Order assigned by the orderer/purchaser						

Syntax Rules:

1. P0304 - If either XPO03 or XPO04 is present, then the other is required.

Semantics:

1. XPO01 is the preassigned purchase order number. If a range of purchase order numbers is to be transmitted, use XPO01 for the first number and XPO02 as the ending number.

Comments:

1. XPO03 and XPO04 specify the location to which the purchase order numbers apply.

N9 Extended Reference Information

Pos: 0400	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1731, Included: 6)

Code Name

AH Agreement Number

D3 National Council for Prescription Drug Programs Pharmacy Number

Note 1:

See External Code Source 307 in Section III for reference document.

DP Department Number

Note 1:

This code may be used in the header or detail area but not in both.

IA Internal Vendor Number

Note 1:

Identification number assigned to the vendor, by the retailer, for use within the retailer's system

IT Internal Customer Number

Note 1:

Identification number assigned to the retailer, by the vendor, for use within the vendor's system.

PD Promotion/Deal Number

N902	127	Reference Identification	X	AN	1/50	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

Loop Party Identification

Pos: 0600	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0600	N1	Party Identification	O	1		Used
0700	N2	Additional Name Information	O	1		Used
0800	N3	Party Location	O	2		Used
0900	N4	Geographic Location	O	1		Used
1200	DTM	Date/Time Reference	O	>1		Used
1400	PER	Administrative Communications Contact	O	3		Used

N1 Party Identification

Pos: 0600	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

Note 1:

This segment is used to identify the retailer's location as it pertains to product activity data and must contain the identity of each organizational entity or a physical location. This is accomplished in one of two ways:

BASIC

There will be at least one occurrence of this segment to identify the retailer's reporting location. If XQ01 contains code G, it is assumed that, for a particular reporting location, the vendor has the bill to and ship to.

SPREADSHEET

The SDQ segment identifies the retailer's reporting locations. Therefore, code RL is not used in the N1 segment for the spreadsheet product activity.

In some EDI implementations, it may be necessary to identify the sender and/or receiver of the transaction set. To identify the sender of the transaction set, N101 will contain code FR. To identify the receiver of the transaction set, N101 will contain code TO.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 1500, Included: 6)

Code	Name
BS	Bill and Ship To
BT	Bill-to-Party
FR	Message From
RL	Reporting Location
ST	Ship To
TO	Message To

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

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

Code List Summary (Total Codes: 241, Included: 7)

Code	Name
1	D-U-N-S Number, Dun & Bradstreet

Note 1:

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

2	Standard Carrier Alpha Code (SCAC)
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Note 1:

See External Code Source 17 in Section III for reference document.

N2 Additional Name Information

Pos: 0700	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify additional names

Note 1:

This segment is normally not used in this 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>
N201	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: Free-form name				

N3 Party Location

Pos: 0800	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Note 1:

This segment is normally not used in this 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>
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: 0900	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Note 1:

This segment is normally not used in this 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>
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
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Description: Code (Standard State/Province) as defined by appropriate government agency

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

N403	116	Postal Code	O	ID	3/15	Used
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Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

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

N404	26	Country Code	X	ID	2/3	Used
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Description: Code identifying the country

Note 1:

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

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

<u>Code</u>	<u>Name</u>
CA	Canada
MX	Mexico
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.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

DTM Date/Time Reference

Pos: 1200	Max: >1
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Note 1:

This segment is used to provide specific processing dates.

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: 1280, Included: 4)

<u>Code</u>	<u>Name</u>
001	Cancel After
002	Delivery Requested
010	Requested Ship
097	Transaction Creation

Note 1:

This is the date the 852 was created.

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

Syntax Rules:

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

PER Administrative Communications Contact

Pos: 1400	Max: 3
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

Note 1:

This segment is used only when contacts have not been previously established or a unique situation exists.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 238, Included: 2)

Code Name

- BD Buyer Name or Department
- SU Supplier Contact

PER02	93	Name	O	AN	1/60	Used
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Description: Free-form name

PER03	365	Communication Number Qualifier	X	ID	2/2	Used
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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
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Description: Complete communications number including country or area code when applicable

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: 999999
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
0200	CTP	Pricing Information	O	25		Used
0300	PO4	Item Physical Details	O	1		Used
0800		Loop ZA	M		>1	Must use

LIN Item Identification

Pos: 0100	Max: 1
Detail - Optional	
Loop: LIN	Elements: 17

User Option (Usage): Used

Purpose: To specify basic item identification data

Element Summary:

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

Description: Alphanumeric characters assigned for differentiation within a transaction set

LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 519, Included: 6)

Code Name

EN EAN/UCC - 13

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

EO EAN/UCC - 8

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

IN Buyer's Item Number

UK GTIN 14-digit Data Structure

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

UP UCC - 12

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

VN Vendor's (Seller's) Item Number

Note 1:

Canadian Note:

- Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.
- For manufacturers not using U.P.C. (UCC-12) they should contact GS1 Canada (Formerly Electronic Commerce Council of Canada (ECCC)).

LIN03	234	Product/Service ID	M	AN	1/48	Must use
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Description: Identifying number for a product or service

LIN04	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 519, Included: 7)

Code Name

EN EAN/UCC - 13

Description: Data structure for the 13 digit EAN.UCC (EAN International.Uniform

Code Name

- Code Council) Global Trade Identification Number (GTIN)
- EO EAN/UCC - 8
Description: Data structure for the 8 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
- IN Buyer's Item Number
- LT Lot 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 UCC - 12
Description: Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)
- VN Vendor's (Seller's) Item Number

Note 1:
Canadian Note:
1. Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.
2. For manufacturers not using U.P.C. (UCC-12) they should contact GS1 Canada (Formerly Electronic Commerce Council of Canada (ECCC)).

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)

Code List Summary (Total Codes: 519, Included: 7)

Code Name

- EN EAN/UCC - 13
Description: Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
- EO EAN/UCC - 8
Description: Data structure for the 8 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
- IN Buyer's Item Number
- LT Lot 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 UCC - 12
Description: Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)
- VN Vendor's (Seller's) Item Number

Note 1:
Canadian Note:
1. Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.

GS1CA 5010-2020

Code Name

2. For manufacturers not using U.P.C. (UCC-12) they should contact GS1 Canada (Formerly Electronic Commerce Council of Canada (ECCC)).

LIN07 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

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

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

Code List Summary (Total Codes: 519, Included: 7)

Code Name

EN EAN/UCC - 13

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

EO EAN/UCC - 8

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

IN Buyer's Item Number

LT Lot 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 UCC - 12

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

VN Vendor's (Seller's) Item Number

Note 1:

Canadian Note:

1. Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.

2. For manufacturers not using U.P.C. (UCC-12) they should contact GS1 Canada (Formerly Electronic Commerce Council of Canada (ECCC)).

LIN09 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

LIN10 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: 519, Included: 7)

Code Name

EN EAN/UCC - 13

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

EO EAN/UCC - 8

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

IN Buyer's Item Number

Code Name

- LT Lot 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 UCC - 12
Description: Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)
- VN Vendor's (Seller's) Item Number

Note 1:
Canadian Note:
1. Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.
2. For manufacturers not using U.P.C. (UCC-12) they should contact GS1 Canada (Formerly Electronic Commerce Council of Canada (ECCC)).

LIN11	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service						
LIN12	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: 519, Included: 7)

Code Name

- EN EAN/UCC - 13
Description: Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
- EO EAN/UCC - 8
Description: Data structure for the 8 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
- IN Buyer's Item Number
- LT Lot 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 UCC - 12
Description: Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)
- VN Vendor's (Seller's) Item Number

Note 1:
Canadian Note:
1. Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.
2. For manufacturers not using U.P.C. (UCC-12) they should contact GS1 Canada (Formerly Electronic Commerce Council of Canada (ECCC)).

LIN13	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN14	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: 519, Included: 7)

Code Name

- EN EAN/UCC - 13
Description: Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
- EO EAN/UCC - 8
Description: Data structure for the 8 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
- IN Buyer's Item Number
- LT Lot 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 UCC - 12
Description: Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)
- VN Vendor's (Seller's) Item Number

Note 1:
Canadian Note:
1. Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.
2. For manufacturers not using U.P.C. (UCC-12) they should contact GS1 Canada (Formerly Electronic Commerce Council of Canada (ECCC)).

LIN15	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

LIN16	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 519, Included: 7)

Code Name

- EN EAN/UCC - 13
Description: Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
- EO EAN/UCC - 8
Description: Data structure for the 8 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
- IN Buyer's Item Number
- LT Lot 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)

Code Name

UP UCC - 12

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

VN Vendor's (Seller's) Item Number

Note 1:

Canadian Note:

1. Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.
2. For manufacturers not using U.P.C. (UCC-12) they should contact GS1 Canada (Formerly Electronic Commerce Council of Canada (ECCC)).

LIN17	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

Syntax Rules:

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

Semantics:

1. LIN01 is the line item identification

Comments:

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

CTP Pricing Information

Pos: 0200	Max: 25
Detail - Optional	
Loop: LIN	Elements: 3

User Option (Usage): Used

Purpose: To specify pricing information

Note 1:

The prices specified in this segment, in the LIN loop, apply to all quantities in the ZA or SDQ segments. This segment is used to report prices associated with the item and activity. It is not used to report total dollar values. This segment can also be used to further define quantity sold/quantity on order within the associated ZA loop by sales type (i.e., promotion/event sales, clearance/markdown sales, non-promotion/non-markdown sales).

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: 6)

Code Name

- AG Agent
- BG Buying Group
- DE Dealer
- DI Distributor
- RS Resale
- WH Wholesaler

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

Code List Summary (Total Codes: 168, Included: 7)

Code Name

- ALT Alternate Price
- CAT Catalog Price
- CDV Current Domestic Value

Note 1:

Retail price of last item sold during the reporting period (last selling price)

MSR Manufacturer's Suggested Retail

PRP Promotional price

Note 1:

Promotion/Event

RTL Retail

UCP Unit cost price

Note 1:

Item list cost

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

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

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

PO4 Item Physical Details

Pos: 0300	Max: 1
Detail - Optional	
Loop: LIN	Elements: 4

User Option (Usage): Used

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

Note 1:

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 PO401 (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 PO414 (Inner Pack), is the number of eaches in each inner container when PO401 is the number of smaller containers within the case. See Section V (Pack/Inner Pack Usage) for usage examples.
This segment may be used to specify the weight and/or volume (cube) for the item by using PO406 and PO407, and/or PO408 and PO409.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO401	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

PO402	357	Size	X	R	1/8	Used
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Description: Size of supplier units in pack

PO403	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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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: 844, Included: 15)

Code	Name
BA	Bale
BG	Bag
BO	Bottle
BX	Box
CA	Case
CN	Can
CT	Carton
DS	Display
DZ	Dozen
EA	Each
KG	Kilogram
LB	Pound
PK	Package
PL	Pallet/Unit Load
RL	Roll

PO414	810	Inner Pack	O	N0	1/6	Used
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Description: The number of eaches per inner container

Syntax Rules:

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

Semantics:

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

Comments:

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

Loop Product Activity Reporting

Pos: 0800	Repeat: >1
Mandatory	
Loop: ZA	Elements: N/A

User Option (Usage): Must use

Purpose: To provide activity details concerning product being reported

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>
0800	ZA	Product Activity Reporting	M	1		Must use
1100	SDQ	Destination Quantity	O	>1		Used
1200		Loop G95	O		1	Used

ZA Product Activity Reporting

Pos: 0800	Max: 1
Detail - Mandatory	
Loop: ZA	Elements: 7

User Option (Usage): Must use

Purpose: To provide activity details concerning product being reported

Note 1:

If ZA02 and ZA03 are used to specify the quantity of the item identified in the LIN segment, the SDQ segment is not used.

All quantity values (ZA03 or quantity values in the SDQ segment) are expressed as a positive number for all activities except for adjustments (code QA and QT in ZA01). An adjustment is any activity, other than a retail sale or warehouse withdrawal, that changes the inventory position for the item. Inter-store transfers are reported as a positive adjustment for the transfer-to store and a negative adjustment for the transfer-from store. An adjustment to inventory can also be made as a result of a physical inventory, for example, shrinkage is reported as a negative adjustment, understated inventory is reported as a positive adjustment.

To express activity in dollars, use the unit of measure DO (Dollars, U.S.) in ZA03 or SDQ01. Multiple ZA segments may be used with the same activity code to specify units and dollars, and, to report activity at different prices.

Sales types, promotion/event sales, clearance/markdown sales and non-promotion/non-clearance sales are used in conjunction with a CTP segment to specify the price and/or sales type.

For example, if three stores sold an item for one price and five other stores sold the same item for a different price, two ZA loops may be used to report the sale quantity at the appropriate price. The first ZA loop would contain the price in the CTP segment and one SDQ segment with the three stores/quantities. The second loop would specify the other price and one SDQ segment for the remaining five stores/quantities.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ZA01	859	Activity Code	M	ID	2/2	Must use

Description: Code identifying activity details for the product being reported

Code List Summary (Total Codes: 43, Included: 17)

Code Name

DG Quantity Damaged

Description: Total product listed as damaged goods

HL Quantity on Hold

Q4 Quantity Ordered

Note 1:

Quantity ordered for the specified period

QA Current Inventory Quantity Available for Shipment or Sale

Description: Indicates the quantity currently available to be sold or shipped

Note 1:

On-hand inventory at store/distribution center/warehouse available for shipment or sale

QC Quantity Committed

Description: Quantity reserved for orders not shipped

Note 1:

Quantity reserved for consumer delivery/pick up and not yet withdrawn from inventory. Memo quantity to aid in calculating replenishment needs.

QD Additional Demand Quantity

Note 1:

Incremental needs over and above normal replenishment calculation

QL Minimum Inventory Quantity

Code	Name
	<p>Description: <i>The minimum inventory quantity for replenishment purposes</i></p> <p>Note 1: <i>To define minimum inventory quantity for replenishment calculations of the total model, i.e., the order point trigger</i></p>
QM	<p>Maximum Inventory Quantity</p> <p>Description: <i>The maximum inventory quantity for replenishment purposes</i></p> <p>Note 1: <i>To define maximum inventory quantity for replenishment calculations of the total model, i.e., the order up to level quantity</i></p>
QN	<p>Planned Inventory Quantity</p> <p>Description: <i>To define the planned inventory quantity for replenishment purposes</i></p> <p>Note 1: <i>Planned inventory level for VMI (Vendor Managed Inventory) replenishment calculations, i.e., the desired level on-hand at the store/distribution center/warehouse. If the quantity is zero, it indicates product replenishment is to be discontinued. Subsequent use of code QN with a quantity greater than zero would re-establish the product.</i></p>
QO	<p>Quantity Out of Stock</p> <p>Note 1: <i>Quantity not available at store/distribution center/warehouse resulting in lost sales, rainchecks or demand for merchandise that could not be satisfied, i.e., sale was not consummated and indicates potential adjustment of VMI (Vendor Managed Inventory) model areas</i></p>
QP	<p>Quantity On Order, Not Yet Received</p> <p>Description: <i>Total quantity expected to be received from supplier for current reporting period, but not yet received</i></p> <p>Note 1: <i>Total merchandise quantity ordered and not yet received by the retailer</i></p>
QR	<p>Quantity Received</p> <p>Note 1: <i>Receipts at store, distribution center or warehouse</i></p>
QS	<p>Quantity Sold</p> <p>Note 1: <i>Sales at retail (gross quantity, no returns netted out)</i></p>
QT	<p>Adjustment to Inventory Quantity</p> <p>Note 1: <i>Adjustment to inventory quantity as a result of a physical inventory discrepancy or internal movement of goods from one location to another</i></p>
QU	<p>Quantity Returned By Consumer</p>
QW	<p>Quantity Withdrawn from Warehouse Inventory</p> <p>Description: <i>Total quantity withdrawn from the warehouse for sales purposes, purposes of unsaleability, or as a result of an intracompany warehouse transfer, promotions, etc.</i></p> <p>Note 1: <i>Internal store withdrawal from distribution center or warehouse inventory</i></p>
QX	<p>Quantity Requested (Will Override Replenishment Planning)</p> <p>Note 1: <i>Quantity to override the normal replenishment planning, but not intended to permanently change the model levels</i></p>

ZA02 380 **Quantity** X R 1/15 Used

Description: Numeric value of quantity

ZA03 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: 844, Included: 15)

Code Name

- BA Bale
- BG Bag
- BO Bottle
- BX Box
- CA Case
- CN Can
- CT Carton
- DS Display
- DZ Dozen
- EA Each
- KG Kilogram
- LB Pound
- PK Package
- PL Pallet/Unit Load
- RL Roll

ZA04 374 **Date/Time Qualifier** X ID 3/3 Used

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

Code List Summary (Total Codes: 1280, Included: 5)

Code Name

002 Delivery Requested

Note 1:

This code is used only when ZA01 contains code QD, QP or QX. If promotion start and end dates associated with the additional demand quantity are needed, the G95 loop may be used.

007 Effective

Note 1:

Inventory taken, on order as of, etc.

036 Expiration

Description: *Date coverage expires*

090 Report Start

091 Report End

ZA05 373 **Date** X DT 8/8 Used

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

ZA06 128 **Reference Identification Qualifier** X ID 2/3 Used

Description: Code qualifying the Reference Identification

<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: 1731, Included: 6)						
Code Name						
	AH	Agreement Number				
	D3	National Council for Prescription Drug Programs Pharmacy Number				
Note 1: <i>See External Code Source 307 in Section III for reference document.</i>						
	DP	Department Number				
Note 1: <i>This code may be used in the header or detail area but not in both.</i>						
	IA	Internal Vendor Number				
Note 1: <i>Identification number assigned to the vendor, by the retailer, for use within the retailer's system</i>						
	IT	Internal Customer Number				
Note 1: <i>Identification number assigned to the retailer, by the vendor, for use within the vendor's system</i>						
	PD	Promotion/Deal Number				
ZA07	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						

Syntax Rules:

1. P0203 - If either ZA02 or ZA03 is present, then the other is required.
2. P0405 - If either ZA04 or ZA05 is present, then the other is required.
3. P0607 - If either ZA06 or ZA07 is present, then the other is required.

Semantics:

1. ZA08 determines if the product activity code in ZA01 refers to a product that is categorized as In-bond merchandise. A "Y" indicates that the activity code applies to a product that is In-bond; an "N" indicates that the activity code does not refer to a product that is In-bond.

SDQ Destination Quantity

Pos: 1100	Max: >1
Detail - Optional	
Loop: ZA	Elements: 22

User Option (Usage): Used

Purpose: To specify destination and quantity detail

Note 1:

*This segment is used to distribute item quantity to various locations.
If this segment is used to specify the quantity of the item identified in the LIN segment, ZA02 and ZA03 are not used.*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ01	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: 844, Included: 15)

Code	Name
BA	Bale
BG	Bag
BO	Bottle
BX	Box
CA	Case
CN	Can
CT	Carton
DS	Display
DZ	Dozen
EA	Each
KG	Kilogram
LB	Pound
PK	Package
PL	Pallet/Unit Load
RL	Roll

SDQ02	66	Identification Code Qualifier	O	ID	1/2	Must use
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Description: Code designating the system/method of code structure used for Identification Code (67)

Code List Summary (Total Codes: 241, Included: 7)

Code	Name
1	D-U-N-S Number, Dun & Bradstreet
Note 1: See External Code Source 16 in Section III for reference document.	
2	Standard Carrier Alpha Code (SCAC)
Note 1: See External Code Source 17 in Section III for reference document	
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
Note 1:	

Code Name

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

21 Health Industry Number (HIN)

Note 1:

See External Code Source 121 in Section III for reference document.

91 Assigned by Seller or Seller's Agent

92 Assigned by Buyer or Buyer's Agent

UL Global Location Number (GLN)

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

Note 1:

*This is the 13-digit Global Location Number (GLN).
See External Code Source 583 in Section III for reference document.*

SDQ03	67	Identification Code	M	AN	2/80	Must use
		Description: Code identifying a party or other code				
SDQ04	380	Quantity	M	R	1/15	Must use
		Description: Numeric value of quantity				
SDQ05	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ06	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ07	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ08	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ09	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ10	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ11	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ12	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ13	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ14	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ15	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				
SDQ16	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ17	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ18	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ19	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ20	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ21	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ22	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				

Syntax Rules:

1. P0506 - If either SDQ05 or SDQ06 is present, then the other is required.
2. P0708 - If either SDQ07 or SDQ08 is present, then the other is required.
3. P0910 - If either SDQ09 or SDQ10 is present, then the other is required.
4. P1112 - If either SDQ11 or SDQ12 is present, then the other is required.
5. P1314 - If either SDQ13 or SDQ14 is present, then the other is required.
6. P1516 - If either SDQ15 or SDQ16 is present, then the other is required.
7. P1718 - If either SDQ17 or SDQ18 is present, then the other is required.
8. P1920 - If either SDQ19 or SDQ20 is present, then the other is required.
9. P2122 - If either SDQ21 or SDQ22 is present, then the other is required.

Semantics:

1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

1. SDQ02 is used only if different than previously defined in the transaction set.
2. SDQ03 is the store number.
3. SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

Loop Performance Requirements

Pos: 1200	Repeat: 1
Optional	
Loop: G95	Elements: N/A

User Option (Usage): Used

Purpose: To specify the "AND" or "OR" condition for the option, or provide information related to the promotion performance conditions and allocations required, or both

Note 1:

This loop is used only when ZA01 contains code QD, QX, or code QW, to identify a promotion and its start and end dates. When ZA01 contains code QW (Quantity Withdrawn from Warehouse Inventory), and is used to define the portion of warehouse withdrawals pertaining to a promotion for a specific product, G9504 is used to identify the quantity associated with the promotion.

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>
1200	G95	Performance Requirements	O	1		Used
1300	DTM	Date/Time Reference	O	2		Used

G95 Performance Requirements

Pos: 1200	Max: 1
Detail - Optional	
Loop: G95	Elements: 4

User Option (Usage): Used

Purpose: To specify the "AND" or "OR" condition for the option, or provide information related to the promotion performance conditions and allocations required, or both

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G9502	422	Promotion Condition Code	M	ID	2/2	Must use

Description: Code describing a performance or advertising condition

Code List Summary (Total Codes: 76, Included: 50)

Code Name

- 01 Product Allocation
- 02 Number of Buy Restriction
- 10 Ad, Size Not Specified
- 11 Ad, 1 Col Inch
- 12 Ad, 2 Col Inch
- 13 Ad, 3 Col Inch
- 14 Ad, 4 Col Inch
- 15 Ad, 5 Col Inch
- 16 Ad, 6 Col Inch or Greater
- 17 Ad, Full Page
- 18 Ad, Half Page
- 19 Ad, Quarter Page
- 20 Ad, Coupon
- 21 Ad, Color
- 22 Ad, Product Illustration
- 23 Ad, National Line Rate
- 25 Ad, Roto
- 26 Ad, Free Standing

Note 1:
Vendor requires a newspaper ad with no size specification

Note 1:
Vendor requires buyer to run a coupon ad that has a monetary value discounting the product(s) that is/are applicable

Note 1:
Vendor requires buyer to run a color ad for the product(s) offered. This condition code may be used in conjunction with other ad condition codes.

Note 1:
Vendor requires buyer to picture illustrate the product(s) offered. This condition code may be used in conjunction with other ad condition codes.

Note 1:
Vendor requires buyer to advertise product(s) offered in media normally used. Payment is made for space (per inch or line) without restrictions for space used or frequency of insertion.

Note 1:

Code	Name
	<i>Vendor requires buyer to run a free standing ad illustrating product(s) offered. This ad is separate and apart from normal weekly media used.</i>
28	Ad, Window Signs
	Note 1: <i>Vendor requires buyer to post a store window sign advertising the product(s) offered.</i>
32	Ad, Price Reduction
	Note 1: <i>Vendor requires ad at a reduced price. This condition code may be used in conjunction with other ad condition codes.</i>
33	Ad, Circulars
	Note 1: <i>Vendor requires buyer to advertise product(s) offered in a circular publication. Circulation intended for buyer's customers.</i>
34	Ad, Television
35	Ad, Radio
36	Ad, Handbill
	Note 1: <i>Vendor requires buyer to advertise product(s) offered in a loose publication format to be distributed by hand.</i>
37	Ad, Newspaper Insert
39	Ad, See Free-form Message
	Note 1: <i>Used in conjunction with condition codes to point to free form messages. Free form message will describe data such as amount to be reduced, number of stores, cases, days and other short text relating to a particular condition code.</i>
40	Display
	Note 1: <i>Vendor requires an in-store display of product(s) offered.</i>
41	Display, End Aisle
	Note 1: <i>Vendor requires a display separate and apart from the store shelf.</i>
42	Display, Aisle Stack
	Note 1: <i>Vendor requires a display separate and apart from the store shelf.</i>
44	Display, Cases per Store
	Note 1: <i>Vendor requires a display with a specified number of cases per store.</i>
45	Display, Number of Days
	Note 1: <i>Vendor requires a display with a specified number of days.</i>
46	Display, Shelf Extender
49	Display, Number of Stores
	Note 1: <i>Vendor requires a display with a specified number of stores.</i>
51	Display, Price Reduction
	Note 1:

Code	Name
	<i>Vendor requires a display with a specified price reduction.</i>
59	Display, See Free-form Message
	Note 1: <i>Used in conjunction with condition codes to point to free form messages. Free form message will describe data such as amount to be reduced, number of stores, cases, days and other short text relating to a particular condition code.</i>
60	Reduced Price
	Note 1: <i>Vendor requires a price reduction for product(s) offered with no amount, restriction or condition.</i>
61	Reduced Price, Number of Days
	Note 1: <i>Vendor requires a price reduction for a specific number of days.</i>
62	Reduced Price With Shelf Sign
	Note 1: <i>Vendor requires a price reduction for product(s) offered. Buyer must list the price reduction in the retail store's price/order guide.</i>
63	Reduced Price, In Price/Order Guide
	Note 1: <i>Vendor requires a price reduction for product(s) offered. Buyer must indicate price reduction with a point-of-sale shelf sign.</i>
64	Reduced Price, In Store Coupons
	Note 1: <i>Vendor requires buyer to offer in-store coupons on the product(s) offered. Coupons are redeemable from the point-of-sale at each buyer's retail outlet.</i>
69	Reduced Price, See Free-form Message
	Note 1: <i>Used in conjunction with condition codes to point to free form messages. Free form message will describe data such as amount to be reduced, number of stores, cases, days and other short text relating to a particular condition code.</i>
70	Retail Distribution (One Case per Store)
71	Retail Distribution (X Cases per Store)
72	Retail Distribution (X Number of Stores)
79	Retail Distribution
	Note 1: <i>Used in conjunction with condition codes to point to free form messages. Free form message will describe data such as amount to be reduced, number of stores, cases, days and other short text relating to a particular condition code.</i>
81	Accrual Limit
	Description: <i>A dollar amount customarily paid on a per case basis on product purchases in a prior period as defined by the manufacturer or broker</i>
82	Flat Limit
	Description: <i>A fixed or flat allowance amount paid for rendering performance as specified by the option code</i>
83	Number of Required Promotion Performances
	Description: <i>Number of times a promotion must be performed to qualify for the allowance amount</i>
88	Advertisement or Display or Reduced Price

Code Name

Description: A promotion condition which requires an Advertisement or an in-store display, or a reduction in the shelf price of an item in order to qualify for the allowance amount

Note 1:
A promotion condition which requires an advertisement, an in-store display, or a reduction in the shelf price of an item in order to qualify for the allowance amount.

99 See Free-form Text

G9504	380	Quantity	X	R	1/15	Used
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Description: Numeric value of quantity

G9505	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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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: 844, Included: 15)

Code Name

- BA Bale
- BG Bag
- BO Bottle
- BX Box
- CA Case
- CN Can
- CT Carton
- DS Display
- DZ Dozen
- EA Each
- KG Kilogram
- LB Pound
- PK Package
- PL Pallet/Unit Load
- RL Roll

G9506	352	Description	O	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. P0405 - If either G9504 or G9505 is present, then the other is required.

Semantics:

1. If G9502 equals "99", then G9506 is required.
2. G9507 contains the number of days included in the promotion period.

DTM Date/Time Reference

Pos: 1300	Max: 2
Detail - Optional	
Loop: G95	Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

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

Code List Summary (Total Codes: 1280, Included: 2)

<u>Code</u>	<u>Name</u>
015	Promotion Start
016	Promotion End

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

Syntax Rules:

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

CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: N/A	Elements: 3

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

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

CTT03	81	Weight	X	R	1/10	Used
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Description: Numeric value of weight

CTT04	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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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: 844, Included: 2)

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

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

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

Comments:

- SE is the last segment of each transaction set.