



# 810 Invoice - Canada

VICS EDI

**Version: 008010VICS**

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# 810 Invoice - Canada

## Functional Group=IN

**Purpose:** This X12 Transaction Set contains the format and establishes the data contents of the Invoice Transaction Set (810) 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 the billing for goods and services provided.

**User Note 1:**

This 810 Invoice implementation guideline is for use in Canada.

**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	5
0200	BIG	Beginning Segment for Invoice	M	1			Must use	6
* 0300	NTE	Note/Special Instruction	O	100				N/A
0400	CUR	Currency	O	1			Used	7
0500	REF	Reference Information	O	>1			Used	9
* 0550	YNQ	Yes/No Question	O	10				N/A
0600	PER	Administrative Communications Contact	O	3			Used	11
<b>LOOP ID - N1</b>						<b>&gt;1</b>		13
0700	N1	Party Identification	O	1			Used	14
0800	N2	Additional Name Information	O	2			Used	17
0900	N3	Party Location	O	2			Used	18
1000	N4	Geographic Location	O	1			Used	19
* 1100	REF	Reference Information	O	12				N/A
* 1200	PER	Administrative Communications Contact	O	3				N/A
* 1250	DMG	Demographic Information	O	1				N/A
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used	20
1400	DTM	Date/Time Reference	O	10			Used	22
1500	FOB	F.O.B. Related Instructions	O	1			Used	23
* 1600	PID	Product/Item Description	O	200				N/A
* 1700	MEA	Measurements	O	40				N/A
* 1800	PWK	Paperwork	O	25				N/A
* 1900	PKG	Marking, Packaging, Loading	O	25				N/A
* 2000	L7	Tariff Reference	O	1				N/A
* 2120	BAL	Balance Detail	O	>1				N/A
* 2130	INC	Installment Information	O	1				N/A
* 2140	PAM	Period Amount	O	>1				N/A
* 2145	CRC	Conditions Indicator	O	1				N/A
* 2150	MTX	Text	O	5				N/A
<b>* LOOP ID - LM</b>						<b>10</b>		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>
* 2200	LM	Code Source Information	O	1				N/A
* 2300	LQ	Industry Code Identification	M	100				N/A
<b>* LOOP ID - N9</b>					<b>1</b>			N/A
* 2400	N9	Extended Reference Information	O	1				N/A
* 2500	MSG	Message Text	M	10				N/A
<b>* LOOP ID - V1</b>					<b>&gt;1</b>			N/A
* 2600	V1	Vessel Identification	O	1				N/A
* 2700	R4	Port or Terminal	O	>1				N/A
* 2800	DTM	Date/Time Reference	O	>1				N/A
<b>* LOOP ID - FA1</b>					<b>&gt;1</b>			N/A
* 2900	FA1	Type of Financial Accounting Data	O	1				N/A
* 3000	FA2	Accounting Data	M	>1				N/A

**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>
<b>LOOP ID - IT1</b>					<b>&gt;1</b>			24
0100	IT1	Baseline Item Data (Invoice)	O	1			Used	25
* 0120	CRC	Conditions Indicator	O	1				N/A
* 0150	QTY	Quantity Information	O	5		N2/0150		N/A
* 0200	CUR	Currency	O	1				N/A
* 0300	IT3	Additional Item Data	O	5				N/A
0400	TXI	Tax Information	O	>1			Used	36
0500	CTP	Pricing Information	O	25			Used	38
* 0550	PAM	Period Amount	O	10				N/A
* 0590	MEA	Measurements	O	40				N/A
<b>LOOP ID - PID</b>					<b>1000</b>			41
0600	PID	Product/Item Description	O	1			Used	42
* 0700	MEA	Measurements	O	10				N/A
* 0800	PWK	Paperwork	O	25				N/A
* 0900	PKG	Marking, Packaging, Loading	O	25				N/A
1000	PO4	Item Physical Details	O	1			Used	44
* 1100	ITD	Terms of Sale/Deferred Terms of Sale	O	>1				N/A
* 1200	REF	Reference Information	O	>1				N/A
* 1250	YNQ	Yes/No Question	O	10				N/A
* 1300	PER	Administrative Communications Contact	O	5				N/A
1400	SDQ	Destination Quantity	O	>1			Used	51
* 1500	DTM	Date/Time Reference	O	10				N/A
* 1600	CAD	Carrier Details	O	>1				N/A
* 1700	L7	Tariff Reference	O	>1				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>
* 1750	SR	Requested Service Schedule	O	1				N/A
<b><u>LOOP ID - SAC</u></b>						<b><u>≥1</u></b>		55
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used	56
<b><u>LOOP ID - TXI</u></b>						<b><u>≥1</u></b>		62
1900	TXI	Tax Information	O	1			Used	63
* 1950	DTM	Date/Time Reference	O	1				N/A
<b>* <u>LOOP ID - SLN</u></b>						<b><u>1000</u></b>		N/A
* 2000	SLN	Subline Item Detail	O	1				N/A
* 2050	DTM	Date/Time Reference	O	1				N/A
* 2100	REF	Reference Information	O	>1				N/A
* 2200	PID	Product/Item Description	O	1000				N/A
* 2300	SAC	Service, Promotion, Allowance, or Charge Information	O	>1				N/A
* 2350	TC2	Commodity	O	2				N/A
* 2370	TXI	Tax Information	O	>1				N/A
<b>* <u>LOOP ID - N1</u></b>						<b><u>200</u></b>		N/A
* 2400	N1	Party Identification	O	1				N/A
* 2500	N2	Additional Name Information	O	2				N/A
* 2600	N3	Party Location	O	2				N/A
* 2700	N4	Geographic Location	O	1				N/A
* 2800	REF	Reference Information	O	12				N/A
* 2900	PER	Administrative Communications Contact	O	3				N/A
* 2950	DMG	Demographic Information	O	1				N/A
<b>* <u>LOOP ID - LM</u></b>						<b><u>10</u></b>		N/A
* 3000	LM	Code Source Information	O	1				N/A
* 3100	LQ	Industry Code Identification	M	100				N/A
<b>* <u>LOOP ID - V1</u></b>						<b><u>≥1</u></b>		N/A
* 3200	V1	Vessel Identification	O	1				N/A
* 3300	R4	Port or Terminal	O	>1				N/A
* 3400	DTM	Date/Time Reference	O	>1				N/A
<b>* <u>LOOP ID - FA1</u></b>						<b><u>≥1</u></b>		N/A
* 3500	FA1	Type of Financial Accounting Data	O	1				N/A
* 3600	FA2	Accounting Data	M	>1				N/A

**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	TDS	Total Monetary Value Summary	M	1			Must use	65

<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>
0200	TXI	Tax Information	O	>1			Used	66
* 0300	CAD	Carrier Details	O	1				N/A
* 0350	AMT	Monetary Amount Information	O	>1				N/A
<b>LOOP ID - SAC</b>						<b>≥1</b>		68
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used	69
* 0450	DTM	Date/Time Reference	O	>1				N/A
<b>LOOP ID - TXI</b>						<b>≥1</b>		75
0500	TXI	Tax Information	O	1			Used	76
* 0550	DTM	Date/Time Reference	O	1				N/A
<b>LOOP ID - ISS</b>						<b>≥1</b>		78
0600	ISS	Invoice Shipment Summary	O	1			Used	79
* 0650	PID	Product/Item Description	O	1				N/A
0700	CTT	Transaction Totals	O	1		N3/0700	Used	81
0800	SE	Transaction Set Trailer	M	1			Must use	82

**Notes:**

- 2/0150 The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade-ins or returns.
- 3/0700 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used CTT02 is the hash total of the quantities invoiced (IT102) for each IT1 segment.

# 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 identifying a Transaction Set**User Note 1:** 810 Invoice - Canada**Code List Summary** (Total Codes: 323, Included: 1)**Code Name**

810 Invoice

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**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.

# BIG Beginning Segment for Invoice

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

**User Option (Usage):** Must use

**Purpose:** To indicate the beginning of an invoice transaction set and transmit identifying numbers and 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>
BIG01	373	<b>Date</b>	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
BIG02	76	<b>Invoice Number</b>	M	AN	1/22	Must use
		<b>Description:</b> Identifying number assigned by issuer				
BIG03	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
		<b>User Note 1:</b> Retailer's original purchase order date				
BIG04	324	<b>Purchase Order Number</b>	O	AN	1/22	Used
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser				
		<b>User Note 1:</b> Retailer's original purchase order number				
BIG05	328	<b>Release Number</b>	O	AN	1/30	Used
		<b>Description:</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction				
		<b>User Note 1:</b> Retailer's release against the purchase order, if used				

## Semantics:

- BIG01 is the invoice issue date.
- BIG03 is the date assigned by the purchaser to purchase order.
- BIG10 is the consolidated invoice number associated with the invoice identified in BIG02. When BIG07 contains code CI (Consolidated Invoice), BIG02 will contain the consolidated invoice number and BIG10 is not used.

## Comments:

- BIG07 is used only to further define the type of invoice when needed.



# CUR Currency

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

**User Option (Usage):** Used**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction**User Note 1:**

See Reference Document CUR Currency Implementation 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: 1538, Included: 3)**Code Name**

BY Buying Party (Purchaser)  
DPR Port of Discharge  
LPR Port of Loading

**Description:** Port where cargo is loaded

CUR02	100	Currency Code	M	ID	3/3	Must use
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**Description:** Code specifying the Standard ISO code for country in whose currency the charges are specified**User Note 1:** See External Code Source 5.**Code List Summary** (Total Codes: 2, Included: 2)**Code Name**

CAD Canadian Dollars  
USD U.S. Dollars

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

**User Option (Usage):** Used

**Purpose:** To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code identifying the Reference Identification

**Code List Summary** (Total Codes: 1904, Included: 17)

### Code Name

AH	Agreement Number
D3	National Council for Prescription Drug Programs Pharmacy Number
DP	Department Number
IA	Internal Vendor Number

#### **User Note 1:**

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

IT	Internal Customer Number
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#### **User Note 1:**

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

PD	Promotion/Deal Number
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AIN	Assemblage Identification Number
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**Description:** A system generated number used in combination with the Build Directive Number for internal control of component control numbers being applied to a particular medical or industrial kit or assembly

ANT	Anatomical Therapeutic Chemical (ATC) Classification Code
-----	---

ATH	American Hospital Formulary System (AHFS) Classification Code
-----	---

FOR	Forest Stewardship Councils Chain of Custody Certificate Number
-----	---

**Description:** A number assigned by an accredited chain of custody agency or council, assigned to ensure that the products made with certified fibers are not altered in any way.

LEL	Locomotive Engineer License
-----	-----------------------------

MDC	Medical Device Class
-----	----------------------

MDL	Medical Device License Number
-----	-------------------------------

X10	Planning Schedule Type Code
-----	-----------------------------

X11	Status Report Code
-----	--------------------

X12	Inventory Transaction Type Code
-----	---------------------------------

X13	Report Type Code
-----	------------------

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

## Syntax Rules:

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

**Semantics:**

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

# PER Administrative Communications Contact

Pos: 0600	Max: 3
Heading - Optional	
Loop: N/A	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: 242, Included: 2)

**Code Name**

CR Customer Relations

**User Note 1:**

Customer service representative

SR Sales Representative or Department

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: 96, Included: 3)

**Code Name**

EM Electronic Mail

FX Facsimile

TE Telephone

PER04	364	Communication Number	X	AN	1/2048	Used
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**Description:** Complete communications number including country or area code when applicable

PER05	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: 96, Included: 3)

**Code Name**

EM Electronic Mail

FX Facsimile

TE Telephone

PER06	364	Communication Number	X	AN	1/2048	Used
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**Description:** Complete communications number including country or area code when applicable

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
<b>Code List Summary</b> (Total Codes: 96, Included: 3)						
<b>Code Name</b>						
EM Electronic Mail						
FX Facsimile						
TE Telephone						
PER08	364	<b>Communication Number</b>	X	AN	1/2048	Used
<b>Description:</b> 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 Party Identification

Pos: 0700	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>
0700	N1	Party Identification	O	1		Used
0800	N2	Additional Name Information	O	2		Used
0900	N3	Party Location	O	2		Used
1000	N4	Geographic Location	O	1		Used

# N1 Party Identification

<b>Pos: 0700</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

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

## User Note 1:

N103 and N104 are required except when N101 contains code CT or RI.

When N101 contains code RI, N106 may be used to indicate that the remit-to party is a factor.

This segment is used to identify the retailer's locations as they pertain to the order.

The ship-to (N101 contains code ST) may be identified in the header area or the detail area, but not both.

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use

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

**Code List Summary** (Total Codes: 1538, Included: 15)

### Code Name

AG Agent/Agency

#### **User Note 1:**

Buyer's agent

BO Broker or Sales Office

#### **User Note 1:**

For a domestic purchase order, this is the manufacturer's sales office. For an import purchase order this is the sales office that interacts with the manufacturer's/buyer's agent.

BS Bill and Ship To

BT Bill-to-Party

CT Country of Origin

FR Message From

MF Manufacturer of Goods

RI Remit To

SE Selling Party

SF Ship From

ST Ship To

TO Message To

Z7 Mark-for Party

#### **User Note 1:**



**Code Name**

This is the ultimate destination for the order when the location is not the ship to and the mark for party is specified on the shipping label.

DPR Port of Discharge

LPR Port of Loading

**Description:** Port where cargo is loaded

N102	93	<b>Name</b>	X	AN	1/60	Used
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**Description:** Free-form name

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

**Code List Summary (Total Codes: 259, Included: 8)****Code Name**

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

**User Note 1:**

See External Code Source 16.

2 Standard Carrier Alpha Code (SCAC)

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

**User Note 1:**

See External Code Source 16.

21 Health Industry Number (HIN)

**User Note 1:**

See External Code Source 121.

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 used for the identification of any physical or legal location that needs to be uniquely identified for use in the supply chain. A GS1 identification key

**User Note 1:**

See External Code Source 583.

UM GS1 Global Location Number with Extension Component

**Description:** A globally unique 13-digit code with a one to twenty character extension component used, for the identification of a legal or physical location

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

**User Note 1:** This is the location code as defined by N103. The location code may be a formal number, e.g., GLN, or it may be assigned by either the buyer or seller. The location refers to a store, warehouse, distribution center, plant, etc. Location codes are used to alleviate the need to send complete names and addresses.

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

**User Option (Usage):** Used

**Purpose:** To specify additional names

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	<b>Name</b>	M	AN	1/60	Must use
		<b>Description:</b> Free-form name				
N202	93	<b>Name</b>	O	AN	1/60	Used
		<b>Description:</b> Free-form name				

# N3 Party Location

Pos: 0900	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	<b>Address Information</b>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4 Geographic Location

Pos: 1000	Max: 1
Heading - Optional	
Loop: N1	Elements: 5

**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	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the Standard State/Province as defined by appropriate government agency				
		<b>User Note 1:</b> See External Code Source 22.				
N403	116	<b>Postal Code</b>	X	ID	3/15	Used
		<b>Description:</b> Code specifying international postal zone code excluding punctuation and blanks (zip code for United States)				
		<b>User Note 1:</b> See External Code Source 51.				
N404	26	<b>Country Code</b>	X	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
		<b>User Note 1:</b> See External Code Source 5.				
		<b>Code List Summary</b> (Total Codes: 3, Included: 3)				
		<u>Code</u>	<u>Name</u>			
		CA	Canada			
		MX	Mexico			
		US	United States			
N408	1702	<b>Postal Code-Formatted</b>	X	AN	3/20	Used
		<b>Description:</b> A postal code value including punctuation, blanks and other characters as defined by the postal authority				

**Syntax Rules:**

1. E0207 - Only one of N402 or N407 may be present.
2. E0308 - Only one of N403 or N408 may be present.
3. C0605 - If N406 is present, then N405 is required.
4. 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. N403 contains the postal code in an unstructured format. N408 contains the postal code in a structured format. When a postal code data field is used, the parties shall agree as to which data element (N403 or N408) shall be used in the transaction set.

# ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: >1
Heading - Optional	
Loop: N/A	Elements: 9

**User Option (Usage):** Used

**Purpose:** To specify terms of sale

## User Note 1:

See Section Data Mapping - ITD Terms Specifications for usage examples. If text data is needed to be sent for terms, ITD12 will contain the free form text. If additional text is needed, additional ITD segments will be used.

Many times, deferred terms are specified on the purchase order with only the knowledge that the terms are to be based on a date value which is not known, e.g., invoice or delivery date. What is known is the percentage or dollar amount of each deferred installment, and the number of days after the date the terms are based on, that each installment will be due. In these cases, ITD01 will contain code 04, indicating deferred or installment terms, and ITD02 will contain the appropriate terms date basis code (most typically code 2 for Delivery Date, code 3 for Invoice Date, or code 15 for Receipt of Goods Date). ITD07 will contain the number of days after the terms basis date this installment is due. ITD10 or ITD11 will be used to indicate a dollar amount (ITD10) for that installment or the percent (ITD11) for that installment. Use one ITD segment for each installment.

When specifying deferred terms and the exact terms basis date is known, e.g., invoice date, ITD09 should be used to specify the exact deferred or installment 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>
ITD01	336	Terms Type Code	O	ID	2/2	Used

**Description:** Code identifying type of payment terms

**Code List Summary** (Total Codes: 77, Included: 5)

<u>Code</u>	<u>Name</u>
04	Deferred or Installment
05	Discount Not Applicable
08	Basic Discount Offered
09	Proximo
14	Previously agreed upon

ITD02	333	Terms Basis Date Code	O	ID	1/2	Used
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**Description:** Code identifying the beginning of the terms period

**Code List Summary** (Total Codes: 17, Included: 4)

<u>Code</u>	<u>Name</u>
2	Delivery Date
3	Invoice Date
4	Specified Date
15	Receipt of Goods

ITD03	338	Terms Discount Percent	O	R	1/6	Used
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**Description:** Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>User Note 1:</b> 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".				
ITD04	370	<b>Terms Discount Due Date</b>	X	DT	8/8	Used
		<b>Description:</b> Date payment is due if discount is to be earned expressed in format CCYYMMDD where CC represents the first two digits of the calendar year				
ITD05	351	<b>Terms Discount Days Due</b>	X	N0	1/3	Used
		<b>Description:</b> Number of days in the terms discount period by which payment is due if terms discount is earned				
		<b>User Note 1:</b> The end of the term period is derived by adding this value to the beginning of the term period, as qualified by ITD02.				
ITD06	446	<b>Terms Net Due Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date when total invoice amount becomes due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year				
ITD07	386	<b>Terms Net Days</b>	O	N0	1/3	Used
		<b>Description:</b> Number of days until total invoice amount is due (discount not applicable)				
		<b>User Note 1:</b> The end of the term period is derived by adding this value to the beginning of the term period, as qualified by ITD02.				
ITD08	362	<b>Terms Discount Amount</b>	O	N2	1/10	Used
		<b>Description:</b> Total amount of terms discount				
ITD12	352	<b>Description</b>	O	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				

**Syntax Rules:**

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

**Semantics:**

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

**Comments:**

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

# DTM Date/Time Reference

Pos: 1400	Max: 10
Heading - Optional	
Loop: N/A	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	<b>Date/Time Qualifier</b>	M	ID	3/3	Must use

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

**Code List Summary** (Total Codes: 1343, Included: 3)

**Code Name**

002 Delivery Requested  
 011 Shipped  
 ILU Image Last Update Date

DTM02	373	<b>Date</b>	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.



# FOB F.O.B. Related Instructions

Pos: 1500	Max: 1
Heading - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used**Purpose:** To specify transportation instructions relating to shipment**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>
FOB01	146	<b>Shipment Method of Payment Code</b>	M	ID	2/2	Must use

**Description:** Code identifying payment terms for transportation charges**Code List Summary** (Total Codes: 31, Included: 3)**Code Name**

CC	Collect
PB	Customer Pickup/Backhaul
PP	Prepaid (by Seller)

FOB02	309	<b>Location Qualifier</b>	X	ID	1/2	Used
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**Description:** Code identifying type of location**Code List Summary** (Total Codes: 184, Included: 2)**Code Name**

DE	Destination (Shipping)
OR	Origin (Shipping Point)

FOB03	352	<b>Description</b>	O	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content**User Note 1:** Free-form name of transportation responsibility location**Syntax Rules:**

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

**Semantics:**

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

# Loop Baseline Item Data (Invoice)

Pos: 0100	Repeat: >1
Optional	
Loop: IT1	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

## 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	IT1	Baseline Item Data (Invoice)	O	1		Used
0400	TXI	Tax Information	O	>1		Used
0500	CTP	Pricing Information	O	25		Used
0600		Loop PID	O		1000	Used
1000	PO4	Item Physical Details	O	1		Used
1400	SDQ	Destination Quantity	O	>1		Used
1800		Loop SAC	O		>1	Used

# IT1 Baseline Item Data (Invoice)

Pos: 0100	Max: 1
Detail - Optional	
Loop: IT1	Elements: 17

**User Option (Usage):** Used

**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

## 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>
IT101	350	<b>Assigned Identification</b>	O	AN	1/20	Used

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

**User Note 1:** IT101, data element 350, Assigned Identification, when used, is typically the invoice line item number. However, use of IT101 may be trading partner specific for the inclusion of the purchase order number or invoice line item number.

**User Note 2:** Use of data element 235/234 pair in the IT1 segment, with qualifier PL - Purchaser's Order Line Number, is the preferred method for identifying the purchase order line number, if purchase order line number information is required by the trade parties.

IT102	358	<b>Quantity Invoiced</b>	X	R	1/15	Must use
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**Description:** Number of units invoiced (supplier units)

IT103	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Must use
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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: 925, Included: 19)

**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
- V3 Mixed Module

**Description:** A specially configured orderable product module

- V4 Multipack

**Description:** A group of trade items that are intended to be sold as a single consumer unit at the Point-of-Sale check-out

**Code Name**

V5 Setpack

**Description:** An orderable assortment of trade items, each of which may be sold individually at the Point-of-Sale check-out. The Setpack may also be sold.

V6 Prepack Assortment

**Description:** An orderable standard assortment of trade items - each of which may be sold individually at the Point-of-Sale check-out. The Prepack Assortment itself is not sold at the Point-of-Sale check-out.

IT104 212 **Unit Price** X R 1/17 Must use

**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".

To indicate a no charge item or free goods, IT104 will contain a single zero (0) and IT105 will contain code NC.

IT105 639 **Basis of Unit Price Code** O ID 2/2 Used

**Description:** Code identifying the type of unit price for an item

**User Note 1:** This data element is used to clarify or alter the basis of unit price. The unit price expressed in IT104 is always in the same terms as the unit of measure in IT103, unless otherwise specified in IT105.

**Code List Summary** (Total Codes: 101, Included: 1)

**Code Name**

NC No Charge

**User Note 1:**

This code is used only when the unit price in IT104 is zero.

IT106 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: 564, Included: 6)

**Code Name**

EN GTIN-13

**Description:** A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

EO GTIN-8

**Description:** An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items

IN Buyer's Item Number

**User Note 1:**

Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.  
Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.

UK GTIN-14

**Description:** A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to

**Code Name**

- identify trade items
- UP GTIN-12  
**Description:** A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items
- VN Vendor's (Seller's) Item Number

**User Note 1:**

Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.

IT107	234	<b>Product/Service ID</b>	X	AN	1/80	Used
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**Description:** Identifying number for a product or service

IT108	235	<b>Product/Service ID Qualifier</b>	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: 564, Included: 31)

**Code Name**

- AG Age  
**Description:** The period during which, after distillation and before bottling, distilled spirits have been stored in oak containers
- BC Supplier Brand Code
- BL Brand/Label
- BO Buyers Color
- BV Beverage Common Code

**User Note 1:**

Used only by the alcohol beverage industry. See External Code Source 467.

- CG Commodity Grouping
- CH Country of Origin Code
- CM National Retail Federation Color Code

**User Note 1:**

This is the three-digit NRF color code. See External Code Source 88.

- CN Commodity Name
- EN GTIN-13  
**Description:** A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
- EO GTIN-8  
**Description:** An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items
- FV Drug Identification Number (DIN)
- IB International Standard Book Number (ISBN)
- IN Buyer's Item Number

**User Note 1:**

Trading partners are strongly encouraged to use GTIN as the only method

**Code Name**

of positively and unambiguously identifying a product.  
Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.

- IS International Standard Serial Number (ISSN)
- IT Buyer's Style Number
- IZ Buyer's Size Code
- LT Lot Number
- MN Model Number
- ND National Drug Code (NDC)
- P8 Retail Price Look Up Number (PLU)
- PJ Product Date Code (A code indicating the period during which a product was manufactured.)
- SM National Retail Federation Size Code

**User Note 1:**

This is the five-digit NRF size code.  
See External Code Source 88.

- SZ Vendor Alphanumeric Size Code
- UC Product Variant

**User Note 1:**

The two or five digit code used to further define the contents of a consumer unit or multipack, also referred to as an ADD-ON code.

- UK GTIN-14  
**Description:** A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

- UP GTIN-12  
**Description:** A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items

- VA Vendor's Style Number
- VE Vendor Color
- VN Vendor's (Seller's) Item Number

**User Note 1:**

Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.  
Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.

- VT Vintage  
**Description:** The harvest year of the grapes that are part of the composition of a particular wine

IT109	234	<b>Product/Service ID</b>	X	AN	1/80	Used
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**Description:** Identifying number for a product or service

IT110	235	<b>Product/Service ID Qualifier</b>	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: 564, Included: 31)

**Code Name**

AG Age

**Description:** The period during which, after distillation and before bottling, distilled spirits have been stored in oak containers

BC Supplier Brand Code

BL Brand/Label

BO Buyers Color

BV Beverage Common Code

**User Note 1:**Used only by the alcohol beverage industry.  
See External Code Source 467.

CG Commodity Grouping

CH Country of Origin Code

CM National Retail Federation Color Code

**User Note 1:**This is the three-digit NRF color code.  
See External Code Source 88.

CN Commodity Name

EN GTIN-13

**Description:** A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

EO GTIN-8

**Description:** An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items

FV Drug Identification Number (DIN)

IB International Standard Book Number (ISBN)

IN Buyer's Item Number

**User Note 1:**Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.  
Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.

IS International Standard Serial Number (ISSN)

IT Buyer's Style Number

IZ Buyer's Size Code

LT Lot Number

MN Model Number

ND National Drug Code (NDC)

P8 Retail Price Look Up Number (PLU)

PJ Product Date Code (A code indicating the period during which a product was manufactured.)

SM National Retail Federation Size Code

**User Note 1:**This is the five-digit NRF size code.  
See External Code Source 88.

SZ Vendor Alphanumeric Size Code

UC Product Variant

**User Note 1:**

**Code Name**

The two or five digit code used to further define the contents of a consumer unit or multipack, also referred to as an ADD-ON code.

UK GTIN-14

**Description:** A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

UP GTIN-12

**Description:** A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items

VA Vendor's Style Number

VE Vendor Color

VN Vendor's (Seller's) Item Number

**User Note 1:**

Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.

VT Vintage

**Description:** The harvest year of the grapes that are part of the composition of a particular wine

IT111	234	<b>Product/Service ID</b>	X	AN	1/80	Used
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**Description:** Identifying number for a product or service

IT112	235	<b>Product/Service ID Qualifier</b>	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: 564, Included: 31)

**Code Name**

AG Age

**Description:** The period during which, after distillation and before bottling, distilled spirits have been stored in oak containers

BC Supplier Brand Code

BL Brand/Label

BO Buyers Color

BV Beverage Common Code

**User Note 1:**

Used only by the alcohol beverage industry. See External Code Source 467.

CG Commodity Grouping

CH Country of Origin Code

CM National Retail Federation Color Code

**User Note 1:**

This is the three-digit NRF color code. See External Code Source 88.

CN Commodity Name

EN GTIN-13



**Code Name**

	<b>Description:</b> A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
EO	GTIN-8 <b>Description:</b> An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items
FV	Drug Identification Number (DIN)
IB	International Standard Book Number (ISBN)
IN	Buyer's Item Number
	<b>User Note 1:</b> Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.
IS	International Standard Serial Number (ISSN)
IT	Buyer's Style Number
IZ	Buyer's Size Code
LT	Lot Number
MN	Model Number
ND	National Drug Code (NDC)
P8	Retail Price Look Up Number (PLU)
PJ	Product Date Code (A code indicating the period during which a product was manufactured.)
SM	National Retail Federation Size Code
	<b>User Note 1:</b> This is the five-digit NRF size code. See External Code Source 88.
SZ	Vendor Alphanumeric Size Code
UC	Product Variant
	<b>User Note 1:</b> The two or five digit code used to further define the contents of a consumer unit or multipack, also referred to as an ADD-ON code.
UK	GTIN-14 <b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
UP	GTIN-12 <b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items
VA	Vendor's Style Number
VE	Vendor Color
VN	Vendor's (Seller's) Item Number
	<b>User Note 1:</b> Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.
VT	Vintage

**Code Name**

**Description:** The harvest year of the grapes that are part of the composition of a particular wine

IT113	234	<b>Product/Service ID</b>	X	AN	1/80	Used
-------	-----	---------------------------	---	----	------	------

**Description:** Identifying number for a product or service

IT114	235	<b>Product/Service ID Qualifier</b>	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: 564, Included: 31)**Code Name**

AG Age

**Description:** The period during which, after distillation and before bottling, distilled spirits have been stored in oak containers

BC Supplier Brand Code

BL Brand/Label

BO Buyers Color

BV Beverage Common Code

**User Note 1:**

Used only by the alcohol beverage industry.  
See External Code Source 467.

CG Commodity Grouping

CH Country of Origin Code

CM National Retail Federation Color Code

**User Note 1:**

This is the three-digit NRF color code.  
See External Code Source 88.

CN Commodity Name

EN GTIN-13

**Description:** A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

EO GTIN-8

**Description:** An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items

FV Drug Identification Number (DIN)

IB International Standard Book Number (ISBN)

IN Buyer's Item Number

**User Note 1:**

Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.  
Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.

IS International Standard Serial Number (ISSN)

IT Buyer's Style Number

IZ Buyer's Size Code

LT Lot Number

MN Model Number

**Code Name**

- ND National Drug Code (NDC)
- P8 Retail Price Look Up Number (PLU)
- PJ Product Date Code (A code indicating the period during which a product was manufactured.)
- SM National Retail Federation Size Code

**User Note 1:**

This is the five-digit NRF size code.  
See External Code Source 88.

- SZ Vendor Alphanumeric Size Code
- UC Product Variant

**User Note 1:**

The two or five digit code used to further define the contents of a consumer unit or multipack, also referred to as an ADD-ON code.

- UK GTIN-14

**Description:** A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

- UP GTIN-12

**Description:** A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items

- VA Vendor's Style Number
- VE Vendor Color
- VN Vendor's (Seller's) Item Number

**User Note 1:**

Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.

- VT Vintage

**Description:** The harvest year of the grapes that are part of the composition of a particular wine

IT115	234	<b>Product/Service ID</b>	X	AN	1/80	Used
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**Description:** Identifying number for a product or service

IT116	235	<b>Product/Service ID Qualifier</b>	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)

**User Note 1:** Use codes listed in IT106.

**Code List Summary** (Total Codes: 564, Included: 31)

**Code Name**

- AG Age  
**Description:** The period during which, after distillation and before bottling, distilled spirits have been stored in oak containers
- BC Supplier Brand Code
- BL Brand/Label
- BO Buyers Color

<b>Code</b>	<b>Name</b>
BV	Beverage Common Code
	<b>User Note 1:</b> Used only by the alcohol beverage industry. See External Code Source 467.
CG	Commodity Grouping
CH	Country of Origin Code
CM	National Retail Federation Color Code
	<b>User Note 1:</b> This is the three-digit NRF color code. See External Code Source 88.
CN	Commodity Name
EN	GTIN-13
	<b>Description:</b> A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
EO	GTIN-8
	<b>Description:</b> An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items
FV	Drug Identification Number (DIN)
IB	International Standard Book Number (ISBN)
IN	Buyer's Item Number
	<b>User Note 1:</b> Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.
IS	International Standard Serial Number (ISSN)
IT	Buyer's Style Number
IZ	Buyer's Size Code
LT	Lot Number
MN	Model Number
ND	National Drug Code (NDC)
P8	Retail Price Look Up Number (PLU)
PJ	Product Date Code (A code indicating the period during which a product was manufactured.)
SM	National Retail Federation Size Code
	<b>User Note 1:</b> This is the five-digit NRF size code. See External Code Source 88.
SZ	Vendor Alphanumeric Size Code
UC	Product Variant
	<b>User Note 1:</b> The two or five digit code used to further define the contents of a consumer unit or multipack, also referred to as an ADD-ON code.
UK	GTIN-14
	<b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

**Code Name**

UP GTIN-12

**Description:** A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items

VA Vendor's Style Number

VE Vendor Color

VN Vendor's (Seller's) Item Number

**User Note 1:**

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

Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.

VT Vintage

**Description:** The harvest year of the grapes that are part of the composition of a particular wine

IT117	234	<b>Product/Service ID</b>	X	AN	1/80	Used
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**Description:** Identifying number for a product or service

**Syntax Rules:**

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

**Semantics:**

1. IT101 is the line item identification.

**Comments:**

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., ISBN No., Model No., or SKU.

# TXI Tax Information

Pos: 0400      Max: >1  
 Detail - Optional  
 Loop: IT1      Elements: 9

**User Option (Usage):** Used  
**Purpose:** To specify tax information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TXI01	963	Tax Type Code	M	ID	2/2	Must use

**Description:** Code specifying the type of tax

**Code List Summary** (Total Codes: 104, Included: 8)

**Code Name**

- AX Tobacco Tax
- BE Harmonized Sales Tax

**User Note 1:**

Canadian HST

- CP County/Parish Sales Tax
- CS City Sales Tax
- GS Goods and Services Tax

**Description:** Canadian value-added tax

**User Note 1:**

Canadian GST

- MD Medical Device Tax
- PG State or Provincial Tax on Goods

**User Note 1:**

Canadian PST

- SP State/Provincial Tax

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

TXI02	782	Monetary Amount	X	R	1/18	Used
-------	-----	-----------------	---	---	------	------

**Description:** Monetary amount

**User Note 1:** The amount 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".

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

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

**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".

TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
-------	-----	---------------------------------	---	----	-----	------

**Description:** Code identifying the source of the data used in tax jurisdiction code

**User Note 1:** This data element is used only when TXI01 contains code PG.

**Code List Summary** (Total Codes: 6, Included: 1)

**Code Name**

- SP State or Province

**Code Name****User Note 1:**

See External Code Source 5.

TXI05	956	<b>Tax Jurisdiction Code</b>	X	AN	1/10	Used
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**Description:** Code identifying the taxing jurisdiction**User Note 1:** This data element is used only when TXI01 contains code PG and is used to identify the corresponding state or province.

TXI06	441	<b>Tax Exempt Code</b>	X	ID	1/1	Used
-------	-----	------------------------	---	----	-----	------

**Description:** Code identifying exemption status from sales and use tax**Code List Summary** (Total Codes: 34, Included: 4)**Code Name**

1	Yes (Tax Exempt)
2	No (Not Tax Exempt)
F	Exempt (Goods and Services Tax)
G	Exempt (Provincial Sales Tax)

TXI07	662	<b>Relationship Code</b>	O	ID	1/1	Used
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**Description:** Code indicating the relationship between entities**Code List Summary** (Total Codes: 6, Included: 1)**Code Name**

O	Information Only
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TXI08	828	<b>Dollar Basis For Percent</b>	O	R	1/9	Used
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**Description:** Dollar basis to be used in the percent calculation of the allowance, charge or tax

TXI09	325	<b>Tax Identification Number</b>	O	AN	1/20	Used
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**Description:** Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number**Syntax Rules:**

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

**Semantics:**

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.
4. TXI11 describes the tax type listed in TXI01.
5. TXI12 is the quantity of trade items subject to the tax in TXI01.
6. TXI13 is the name of the taxing authority.

**Comments:**

1. If the TXI01 code does not sufficiently describe the tax type, use of TXI11 is recommended.

# CTP Pricing Information

Pos: 0500	Max: 25
Detail - Optional	
Loop: IT1	Elements: 7

**User Option (Usage):** Used

**Purpose:** To specify pricing information

## Element Summary:

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

**Description:** Code indicating class of trade

**Code List Summary** (Total Codes: 68, Included: 6)

**Code Name**

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

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

**User Note 1:** Net price includes allowances only, or list price before any allowance or charge. This is a trading partner established agreement.

**Code List Summary** (Total Codes: 194, Included: 7)

**Code Name**

- ALT Alternate Price
- CAT Catalog Price
- MSR Manufacturer's Suggested Retail
- PRP Promotional price

**User Note 1:**

Promotion/Event

RTL Retail

UCP Unit cost price

**User Note 1:**

Item list cost

**User Note 2:**

Unit price in the CTP02 is dependent on how the product is ordered (i.e. if the produce is ordered by the case, then the pricing in CTP02 is price-per-case).

WHL Wholesale

CTP03	212	<b>Unit Price</b>	X	R	1/17	Must use
-------	-----	-------------------	---	---	------	----------

**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	<b>Quantity</b>	X	R	1/15	Used
-------	-----	-----------------	---	---	------	------



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Numeric value of quantity				
CTP05	C001	<b>Composite Unit of Measure</b>	X	Comp		Used
		<b>Description:</b> To identify a composite unit of measure				
		(See Figures Appendix for examples of use)				
		<b>Comments:</b>				
		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	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>Code List Summary</b> (Total Codes: 925, Included: 19)				
		<b>Code</b> <b>Name</b>				
		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				
		V3 Mixed Module				
		<b>Description:</b> A specially configured orderable product module				
		V4 Multipack				
		<b>Description:</b> A group of trade items that are intended to be sold as a single consumer unit at the Point-of-Sale check-out				
		V5 Setpack				
		<b>Description:</b> An orderable assortment of trade items, each of which may be sold individually at the Point-of-Sale check-out. The Setpack may also be				

**Code Name**

sold.

V6 Prepack Assortment

**Description:** An orderable standard assortment of trade items - each of which may be sold individually at the Point-of-Sale check-out. The Prepack Assortment itself is not sold at the Point-of-Sale check-out.

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: 101, Included: 5)

**Code Name**

CC Contractee Cost

IC Inventory Cost Basis

NT Net

**Description:** Indicates a net unit price

PE Price per Each

SO Sales Amount On Invoice

CTP10 499 **Condition Value** O AN 1/10 Used

**User Note 1:** This data element is used to specify the price bracket ID.

**Syntax Rules:**

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 is required.

**Semantics:**

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

**Comments:**

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

# Loop Product/Item Description

Pos: 0600	Repeat: 1000
Optional	
Loop: PID	Elements: N/A

**User Option (Usage):** Used

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

## 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	PID	Product/Item Description	O	1		Used

# PID Product/Item Description

Pos: 0600	Max: 1
Detail - Optional	
Loop: PID	Elements: 3

**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 or coded formats.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type Code	M	ID	1/1	Must use

**Description:** Code indicating the format of a description

**Code List Summary** (Total Codes: 4, Included: 1)

### Code Name

F Free-form

### User Note 1:

The description will be found in PID05.

PID02	750	Product/Process Characteristic Code	O	ID	2/3	Used
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**Description:** Code identifying the general class of a product or process characteristic

**Code List Summary** (Total Codes: 289, Included: 2)

### Code Name

08 Product

DP Drug Product Identification

PID05	352	Description	X	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. C0403 - If PID04 is present, then PID03 is required.
2. R040510 - At least one of PID04, PID05 or PID10 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.
4. If PID01 = "A", then PID10 is used. PID05 may also be used to further clarify the condition of the product.

# PO4 Item Physical Details

<b>Pos: 1000</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: IT1</b>	<b>Elements: 8</b>

**User Option (Usage):** Used

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

## User 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 Pack/Inner Usage for usage examples.

## User Note 2:

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	<b>Pack</b>	O	N0	1/6	Used

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

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

PO403	355	<b>Unit or Basis for Measurement Code</b>	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: 924, Included: 135)

#### 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

**Code Name**

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  
D1 Dollars, Canadian  
DA Days  
DC Disk (Disc)  
DD Degree  
DG Decigram  
DL Deciliter  
DM Decimeter  
DO Dollars, U.S.  
DR Drum  
DS Display  
DZ Dozen  
EA Each  
EP Eleven pack  
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

FA Fahrenheit

**User Note 1:**

Degrees

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

<b>Code</b>	<b>Name</b>
FT	Foot
	<b>User Note 1:</b>
	Feet
FZ	Fluid Ounce (Imperial) <b>Description:</b> 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
GS	Gross
HC	Hundred Count
HL	Hundred Feet - Linear
HR	Hours
HS	Hundred Square Feet
IH	Inhaler <b>Description:</b> Metered-dose pressurized method of getting medication into the lungs or nasal passages
IN	Inch
J9	Left Unit
JC	Caplet <b>Description:</b> To denote items in caplet form
JL	Refill <b>Description:</b> Refers to the number of refill units in a package
JN	Pan <b>Description:</b> Refers to items in a pan (such as eye shadow) and would be associated with the number of different colors
JP	Prepack <b>Description:</b> To indicate this is "n" assortment product with different UPC codes on it
JS	Use <b>Description:</b> Refers to the number of uses from a product (such as a box of laundry detergent that provides sixty washes)
JT	Tin <b>Description:</b> Refers to giftware products in a tin
JV	Ovule <b>Description:</b> Refers to products which come in "ovule" form
JX	Exposure <b>Description:</b> To be used to indicate the number of exposures on a roll of film
KE	Keg <b>Description:</b> A unit of weight equal to 100 pounds, used for nails
KT	Kit
L1	Right Unit
LB	Pound
LF	Linear Foot
	<b>User Note 1:</b>



<u>Code</u>	<u>Name</u>
	Running Feet
LT	Liter
LY	Linear Yard
	<b>User Note 1:</b>
	Running Yard
M4	Monetary Value
MC	Microgram
ME	Milligram
MJ	Minutes
ML	Milliliter
MM	Millimeter
MO	Months
MR	Meter
NG	Net Gallons
OP	Two pack
OZ	Ounce - Av
P1	Percent
P3	Three pack
P4	Four-pack
P5	Five-pack
P6	Six pack
P7	Seven pack
P8	Eight-pack
P9	Nine pack
PC	Piece
PD	Pad
PF	Pallet (Lift)
PH	Pack (PAK)
PK	Package
PL	Pallet/Unit Load
PR	Pair
PT	Pint
QB	Pages - Hardcopy
	<b>Description:</b> Number of printed pages delivered
QT	Quart
RL	Roll
S9	Slip Sheet
	<b>Description:</b> A cardboard platform used for holding product for storage or transportation
SH	Sheet
ST	Set
SX	Shipment
SY	Square Yard
SZ	Syringe
	<b>Description:</b> Glass or plastic barrels used to administer fluid medication under the skin, into a vein artery, or into a muscle

**Code Name**

- TB Tube
- TC Truckload
- TE Tote
- TH Thousand
- TK Tank
- TM Thousand Feet (Board)
- TP Ten-pack
- TS Thousand Square Feet
- 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
- V3 Mixed Module

**Description:** A specially configured orderable product module

- V4 Multipack

**Description:** A group of trade items that are intended to be sold as a single consumer unit at the Point-of-Sale check-out

- V5 Setpack

**Description:** An orderable assortment of trade items, each of which may be sold individually at the Point-of-Sale check-out. The Setpack may also be sold.

- V6 Prepack Assortment

**Description:** An orderable standard assortment of trade items - each of which may be sold individually at the Point-of-Sale check-out. The Prepack Assortment itself is not sold at the Point-of-Sale check-out.

- VI Vial
- WG Wine Gallon
- Y4 Tub

**Description:** A measure used to identify a storage container

- YD Yard
- YR Years

PO406	384	<b>Gross Weight per Pack</b>	X	R	1/9	Used
-------	-----	------------------------------	---	---	-----	------

**Description:** Numeric value of gross weight per pack

PO407	355	<b>Unit or Basis for Measurement Code</b>	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: 925, Included: 6)

**Code Name**

- 26 Actual Tons
- GR Gram
- KG Kilogram
- LB Pound
- MP Metric Ton

**Code Name**

OZ Ounce - Av

PO408	385	<b>Gross Volume per Pack</b>	X	R	1/9	Used
-------	-----	------------------------------	---	---	-----	------

**Description:** Numeric value of gross volume per pack

PO409	355	<b>Unit or Basis for Measurement Code</b>	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: 925, Included: 17)**Code Name**

C8 Cubic Decimeter

CC Cubic Centimeter

CF Cubic Feet

CI Cubic Inches

CR Cubic Meter

CY Cubic Yard

DG Decigram

DL Deciliter

DM Decimeter

GR Gram

IN Inch

K6 Kiloliter

**Description:** One thousand liters

KG Kilogram

LB Pound

O1 Cubic Millimeter

**Description:** A metric measure of volume or capacity equal to a cube 1 millimeter on each edge

YD Yard

ZZ Mutually Defined

PO414	810	<b>Inner Pack</b>	O	N0	1/6	Used
-------	-----	-------------------	---	----	-----	------

**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.

# SDQ Destination Quantity

Pos: 1400	Max: >1
Detail - Optional	
Loop: IT1	Elements: 22

**User Option (Usage):** Used

**Purpose:** To specify destination and quantity detail

## User Note 1:

This segment is used to distribute the line item quantity to various locations. SDQ02 serves the same purpose as N103, and all occurrences of Data Element 67 in the segment function as N104. The SDQ segment functions as an N1 segment containing code BS or BT in N101, that is, the SDQ segment specifies various bill-to locations. The sum of all quantities, in the SDQ segment(s) for a line item must equal the quantity invoiced in IT102.

## 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>
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: 925, Included: 19)

**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
- V3 Mixed Module

**Description:** A specially configured orderable product module

- V4 Multipack

**Description:** A group of trade items that are intended to be sold as a single consumer unit at the Point-of-Sale check-out

- V5 Setpack

**Description:** An orderable assortment of trade items, each of which may be sold individually at the Point-of-Sale check-out. The Setpack may also be sold.

- V6 Prepack Assortment

**Description:** An orderable standard assortment of trade items - each of which may be sold individually at the Point-of-Sale check-out. The Prepack

**Code Name**

Assortment itself is not sold at the Point-of-Sale check-out.

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

**Code List Summary** (Total Codes: 259, Included: 6)

**Code Name**

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

**User Note 1:**

See External Code Source 16.

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

**User Note 1:**

See External Code Source 16.

21 Health Industry Number (HIN)

**User Note 1:**

See External Code Source 121.

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 used for the identification of any physical or legal location that needs to be uniquely identified for use in the supply chain. A GS1 identification key

**User Note 1:**

See External Code Source 583.

SDQ03	67	<b>Identification Code</b>	M	AN	2/80	Must use
-------	----	----------------------------	---	----	------	----------

**Description:** Code identifying a party or other code

SDQ04	380	<b>Quantity</b>	M	R	1/15	Must use
-------	-----	-----------------	---	---	------	----------

**Description:** Numeric value of quantity

SDQ05	67	<b>Identification Code</b>	X	AN	2/80	Used
-------	----	----------------------------	---	----	------	------

**Description:** Code identifying a party or other code

SDQ06	380	<b>Quantity</b>	X	R	1/15	Used
-------	-----	-----------------	---	---	------	------

**Description:** Numeric value of quantity

SDQ07	67	<b>Identification Code</b>	X	AN	2/80	Used
-------	----	----------------------------	---	----	------	------

**Description:** Code identifying a party or other code

SDQ08	380	<b>Quantity</b>	X	R	1/15	Used
-------	-----	-----------------	---	---	------	------

**Description:** Numeric value of quantity

SDQ09	67	<b>Identification Code</b>	X	AN	2/80	Used
-------	----	----------------------------	---	----	------	------

**Description:** Code identifying a party or other code

SDQ10	380	<b>Quantity</b>	X	R	1/15	Used
-------	-----	-----------------	---	---	------	------

**Description:** Numeric value of quantity

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ11	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
SDQ12	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ13	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
SDQ14	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ15	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
SDQ16	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ17	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
SDQ18	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ19	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
SDQ20	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ21	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
SDQ22	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> 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 Service, Promotion, Allowance, or Charge Information

Pos: 1800	Repeat: >1
Optional	
Loop: SAC	Elements: N/A

**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

## 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>
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used
1900		Loop TXI	O		>1	Used

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 1800	Max: 1
Detail - Optional	
Loop: SAC	Elements: 13

**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:

There is one segment for each Allowance, Charge, Service, or Promotion being specified. If this segment appears in the summary 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 summary 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.

SAC04 contains special service requirement codes and special processing codes. This code list is maintained in Section III of this guideline.

## User Note 2:

As a best practice, the recommendation is to use of the TXI segment for conveying tax information. The SAC segment should be limited to use for service, promotion, allowance and charge 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>
SAC01	248	<b>Allowance or Charge Indicator Code</b>	M	ID	1/1	Must use

**Description:** Code indicating an allowance or charge for the service specified

**Code List Summary** (Total Codes: 7, Included: 4)

<u>Code</u>	<u>Name</u>
A	Allowance
C	Charge
N	No Allowance or Charge
R	Allowance Request

SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Used
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**Description:** Code identifying the service, promotion, allowance, or charge

**Code List Summary** (Total Codes: 1129, Included: 43)

<u>Code</u>	<u>Name</u>
A170	Adjustments
A172	Administrative
B860	Customs Broker Fee
B870	Customs Charge
B872	Customs Duty
C030	Delivery Surcharge
C040	Delivery
C310	Discount
C350	Distributor Discount/Allowance

<b>Code</b>	<b>Name</b>
C510	Dry Ice
CONC	Container Charge
D170	Free Goods
D240	Freight
D260	Fuel Charge
D270	Fuel Surcharge
D350	Goods and Services Credit Allowance
	<b>User Note 1:</b>
	Use for GST and Harmonization Credit Allowance.
D360	Goods and Services Tax Charge
	<b>User Note 1:</b>
	Used for GST and HST tax charge.
D500	Handling
	<b>User Note 1:</b>
	Code may be used to convey a recycling fee.
D530	Hazardous Cargo Charge
D540	Hazardous Materials Handling Fee - Domestic
D550	Hazardous Materials Handling Fee - International
D560	Hazardous Storage
D570	Heat in Transit Charges
D880	Installation & Warranty
D890	Installation and Training
D900	Installation
F155	Packaging
F170	Pallet Exchange Charge
F180	Pallet
F780	Proforma Invoice
F800	Promotional Allowance
G220	Refrigeration
G470	Restocking Charge
G740	Service Charge
G830	Shipping and Handling
G970	Small Order Charge
H430	Storage
H470	Stripping, Sorting, and Consolidation
H490	Subject To Tax On Resale
	<b>User Note 1:</b>
	Used for Provincial Tobacco Tax.
H770	Tax - State Tax
	<b>User Note 1:</b>
	Used for Provincial Sales Tax.
H806	Tax Credit
	<b>User Note 1:</b>
	Used for Provincial Tax Credit.
I580	Warehousing

		<u>Code</u>	<u>Name</u>				
		I590	Warranties				
SAC05	610	<b>Amount</b>		O	N2	1/15	Used
		<b>Description:</b> Monetary amount					
		<b>User Note 1:</b> 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	<b>Allowance/Charge Percent Qualifier</b>		X	ID	1/1	Used
		<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated					
		<b>Code List Summary</b> (Total Codes: 16, Included: 7)					
		<u>Code</u>	<u>Name</u>				
		1	Item List Cost				
		2	Item Net Cost				
		3	Discount/Gross				
		<b>User Note 1:</b>					
		All allowances are off the gross price including cash discount.					
		4	Discount/Net				
		<b>User Note 1:</b>					
		All allowances are off the gross price. Cash discounts are off the net.					
		5	Base Price per Unit				
		<b>User Note 1:</b>					
		Line item discount					
		6	Base Price Amount				
		7	Base Price Amount Less Previous Discount				
		<b>User Note 1:</b>					
		Declining balance method					
SAC07	332	<b>Percent, Decimal Format</b>		X	R	1/6	Used
		<b>Description:</b> Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)					
		<b>User Note 1:</b> 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".					
SAC08	118	<b>Rate</b>		O	R	1/9	Used
		<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified					
SAC09	355	<b>Unit or Basis for Measurement Code</b>		X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		<b>Code List Summary</b> (Total Codes: 925, Included: 19)					
		<u>Code</u>	<u>Name</u>				
		BA	Bale				
		BG	Bag				
		BO	Bottle				

**Code Name**

- 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
- V3 Mixed Module

**Description:** A specially configured orderable product module

- V4 Multipack

**Description:** A group of trade items that are intended to be sold as a single consumer unit at the Point-of-Sale check-out

- V5 Setpack

**Description:** An orderable assortment of trade items, each of which may be sold individually at the Point-of-Sale check-out. The Setpack may also be sold.

- V6 Prepack Assortment

**Description:** An orderable standard assortment of trade items - each of which may be sold individually at the Point-of-Sale check-out. The Prepack Assortment itself is not sold at the Point-of-Sale check-out.

SAC10	380	<b>Quantity</b>	X	R	1/15	Used
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**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.

**User Note 2:** 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	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Used
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**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 -

Code	Name					
	Allowances.					
03	Vendor Check to Customer					
	<b>User Note 1:</b>					
	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					
	<b>User Note 1:</b>					
	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					
	<b>User Note 1:</b>					
	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					
	<b>User Note 1:</b>					
	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	<b>Reference Identification</b>	X	AN	1/80	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
		<b>User Note 1:</b> Used for tax registration number.				
SAC14	770	<b>Option Number</b>	O	AN	1/20	Used
		<b>Description:</b> A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
SAC16	819	<b>Language Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code specifying the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				
		<b>User Note 1:</b> See External Code Source 102.				

### 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.

# Loop Tax Information

Pos: 1900	Repeat: >1
Optional	
Loop: TXI	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify tax 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>
1900	TXI	Tax Information	O	1		Used



# TXI Tax Information

<b>Pos: 1900</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: TXI</b>	<b>Elements: 7</b>

**User Option (Usage):** Used

**Purpose:** To specify tax information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TXI01	963	<b>Tax Type Code</b>	M	ID	2/2	Must use

**Description:** Code specifying the type of tax

**Code List Summary** (Total Codes: 104, Included: 8)

**Code Name**

- AX Tobacco Tax
- BE Harmonized Sales Tax
- CP County/Parish Sales Tax
- CS City Sales Tax
- GS Goods and Services Tax

**Description:** Canadian value-added tax

**User Note 1:**

Canadian GST

- MD Medical Device Tax
- PG State or Provincial Tax on Goods
- SP State/Provincial Tax

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

TXI02	782	<b>Monetary Amount</b>	X	R	1/18	Used
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**Description:** Monetary amount

**User Note 1:** The amount 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".

TXI03	954	<b>Percentage as Decimal</b>	X	R	1/10	Used
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**Description:** Percentage expressed as a decimal (e.g., 0.0 through 1.0 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".

TXI04	955	<b>Tax Jurisdiction Code Qualifier</b>	X	ID	2/2	Used
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**Description:** Code identifying the source of the data used in tax jurisdiction code

**User Note 1:** This data element is used only when TXI01 contains code PG.

**Code List Summary** (Total Codes: 6, Included: 1)

**Code Name**

- SP State or Province

**User Note 1:**

See External Code Source 5.

TXI05	956	<b>Tax Jurisdiction Code</b>	X	AN	1/10	Used
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Code identifying the taxing jurisdiction				
		<b>User Note 1:</b> This data element is used only when TXI01 contains code PG and is used to identify the corresponding state or province.				
TXI08	828	<b>Dollar Basis For Percent</b>	O	R	1/9	Used
		<b>Description:</b> Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	<b>Tax Identification Number</b>	O	AN	1/20	Used
		<b>Description:</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				

### Syntax Rules:

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

### Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.
4. TXI11 describes the tax type listed in TXI01.
5. TXI12 is the quantity of trade items subject to the tax in TXI01.
6. TXI13 is the name of the taxing authority.

### Comments:

1. If the TXI01 code does not sufficiently describe the tax type, use of TXI11 is recommended.

# TDS Total Monetary Value Summary

Pos: 0100	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To specify the total invoice discounts and amounts

## 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>
TDS01	610	<b>Amount</b>	M	N2	1/15	Must use
		<b>Description:</b> Monetary amount				
TDS02	610	<b>Amount</b>	O	N2	1/15	Used
		<b>Description:</b> Monetary amount				
TDS03	610	<b>Amount</b>	O	N2	1/15	Used
		<b>Description:</b> Monetary amount				
TDS04	610	<b>Amount</b>	O	N2	1/15	Used
		<b>Description:</b> Monetary amount				

## Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDS02 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. TDS04 indicates the total amount of terms discount.

## Comments:

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

# TXI Tax Information

Pos: 0200	Max: >1
Summary - Optional	
Loop: N/A	Elements: 9

**User Option (Usage):** Used

**Purpose:** To specify tax information

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI01	963	Tax Type Code	M	ID	2/2	Must use

**Description:** Code specifying the type of tax

**Code List Summary** (Total Codes: 104, Included: 8)

**Code Name**

- AX Tobacco Tax
- BE Harmonized Sales Tax
- CP County/Parish Sales Tax
- CS City Sales Tax
- GS Goods and Services Tax

**Description:** Canadian value-added tax

**User Note 1:**

Canadian GST

- MD Medical Device Tax
- PG State or Provincial Tax on Goods
- SP State/Provincial Tax

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

TXI02	782	Monetary Amount	X	R	1/18	Used
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**Description:** Monetary amount

**User Note 1:** The amount 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".

TXI03	954	Percentage as Decimal	X	R	1/10	Used
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**Description:** Percentage expressed as a decimal (e.g., 0.0 through 1.0 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".

TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
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**Description:** Code identifying the source of the data used in tax jurisdiction code

**User Note 1:** This data element is used only when TXI01 contains code PG.

**Code List Summary** (Total Codes: 6, Included: 1)

**Code Name**

- SP State or Province

**User Note 1:**

See External Code Source 5.

TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Code identifying the taxing jurisdiction				
		<b>User Note 1:</b> This data element is used only when TXI01 contains code PG and is used to identify the corresponding state or province.				
TXI06	441	<b>Tax Exempt Code</b>	X	ID	1/1	Used
		<b>Description:</b> Code identifying exemption status from sales and use tax				
		<b>Code List Summary</b> (Total Codes: 34, Included: 4)				
		<b>Code Name</b>				
		1 Yes (Tax Exempt)				
		2 No (Not Tax Exempt)				
		F Exempt (Goods and Services Tax)				
		G Exempt (Provincial Sales Tax)				
TXI07	662	<b>Relationship Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating the relationship between entities				
		<b>Code List Summary</b> (Total Codes: 6, Included: 1)				
		<b>Code Name</b>				
		O Information Only				
TXI08	828	<b>Dollar Basis For Percent</b>	O	R	1/9	Used
		<b>Description:</b> Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	<b>Tax Identification Number</b>	O	AN	1/20	Used
		<b>Description:</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				

### Syntax Rules:

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

### Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.
4. TXI11 describes the tax type listed in TXI01.
5. TXI12 is the quantity of trade items subject to the tax in TXI01.
6. TXI13 is the name of the taxing authority.

### Comments:

1. If the TXI01 code does not sufficiently describe the tax type, use of TXI11 is recommended.

# Loop Service, Promotion, Allowance, or Charge Information

Pos: 0400	Repeat: >1
Optional	
Loop: SAC	Elements: N/A

**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

## 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>
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used
0500		Loop TXI	O		>1	Used

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400	Max: 1
Summary - Optional	
Loop: SAC	Elements: 13

**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:

There is one segment for each Allowance, Charge, Service, or Promotion being specified. If this segment appears in the summary 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 summary 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.

SAC04 contains special service requirement codes and special processing codes. This code list is maintained in Section III of this guideline.

## User Note 2:

As a best practice, the recommendation is to use of the TXI segment for conveying tax information. The SAC segment should be limited to use for service, promotion, allowance and charge 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>
SAC01	248	<b>Allowance or Charge Indicator Code</b>	M	ID	1/1	Must use

**Description:** Code indicating an allowance or charge for the service specified

**Code List Summary** (Total Codes: 7, Included: 4)

**Code Name**

A Allowance  
 C Charge  
 N No Allowance or Charge  
 R Allowance Request

SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Used
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**Description:** Code identifying the service, promotion, allowance, or charge

**Code List Summary** (Total Codes: 1129, Included: 43)

**Code Name**

A170 Adjustments  
 A172 Administrative  
 B860 Customs Broker Fee  
 B870 Customs Charge  
 B872 Customs Duty  
 C030 Delivery Surcharge  
 C040 Delivery  
 C310 Discount  
 C350 Distributor Discount/Allowance  
 C510 Dry Ice

**Code Name**

CONC Container Charge

D170 Free Goods

D240 Freight

D260 Fuel Charge

D270 Fuel Surcharge

D350 Goods and Services Credit Allowance

**User Note 1:**

Use for GST and Harmonization Credit Allowance.

D360 Goods and Services Tax Charge

**User Note 1:**

Used for GST and HST tax charge.

D500 Handling

**User Note 1:**

Code may be used to convey a recycling fee.

D530 Hazardous Cargo Charge

D540 Hazardous Materials Handling Fee - Domestic

D550 Hazardous Materials Handling Fee - International

D560 Hazardous Storage

D570 Heat in Transit Charges

D880 Installation &amp; Warranty

D890 Installation and Training

D900 Installation

F155 Packaging

F170 Pallet Exchange Charge

F180 Pallet

F780 Proforma Invoice

F800 Promotional Allowance

G220 Refrigeration

G470 Restocking Charge

G740 Service Charge

G830 Shipping and Handling

G970 Small Order Charge

H430 Storage

H470 Stripping, Sorting, and Consolidation

H490 Subject To Tax On Resale

**User Note 1:**

Used for Provincial Tobacco Tax.

H770 Tax - State Tax

**User Note 1:**

Used for Provincial Sales Tax.

H806 Tax Credit

**User Note 1:**

Used for Provincial Tax Credit.

I580 Warehousing

I590 Warranties



SAC05	610	<b>Amount</b>	O	N2	1/15	Used
		<b>Description:</b> Monetary amount				
		<b>User Note 1:</b> 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	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated				
		<b>Code List Summary</b> (Total Codes: 16, Included: 6)				
		<b>Code</b>	<b>Name</b>			
		1	Item List Cost			
		2	Item Net Cost			
		3	Discount/Gross			
			<b>User Note 1:</b>	All allowances are off the gross price including cash discount.		
		4	Discount/Net			
			<b>User Note 1:</b>	All allowances are off the gross price. Cash discounts are off the net.		
		5	Base Price per Unit			
			<b>User Note 1:</b>	Line item discount		
		7	Base Price Amount Less Previous Discount			
			<b>User Note 1:</b>	Declining balance method		
SAC07	332	<b>Percent, Decimal Format</b>	X	R	1/6	Used
		<b>Description:</b> Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)				
		<b>User Note 1:</b> 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".				
SAC08	118	<b>Rate</b>	O	R	1/9	Used
		<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified				
SAC09	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>Code List Summary</b> (Total Codes: 925, Included: 19)				
		<b>Code</b>	<b>Name</b>			
		BA	Bale			
		BG	Bag			
		BO	Bottle			
		BX	Box			
		CA	Case			
		CN	Can			

**Code Name**

- CT Carton
- DS Display
- DZ Dozen
- EA Each
- KG Kilogram
- LB Pound
- PK Package
- PL Pallet/Unit Load
- RL Roll
- V3 Mixed Module

**Description:** A specially configured orderable product module

- V4 Multipack

**Description:** A group of trade items that are intended to be sold as a single consumer unit at the Point-of-Sale check-out

- V5 Setpack

**Description:** An orderable assortment of trade items, each of which may be sold individually at the Point-of-Sale check-out. The Setpack may also be sold.

- V6 Prepack Assortment

**Description:** An orderable standard assortment of trade items - each of which may be sold individually at the Point-of-Sale check-out. The Prepack Assortment itself is not sold at the Point-of-Sale check-out.

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.

**User Note 2:** 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:**

<u>Code</u>	<u>Name</u>					
		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	<b>User Note 1:</b> 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	<b>User Note 1:</b> 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	<b>User Note 1:</b> 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	<b>Reference Identification</b>	X	AN	1/80	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
		<b>User Note 1:</b> Used for Tax Registration Number.				
SAC14	770	<b>Option Number</b>	O	AN	1/20	Used
		<b>Description:</b> A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
SAC16	819	<b>Language Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code specifying the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				
		<b>User Note 1:</b> See External Code Source 102.				

### 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.

# Loop Tax Information

Pos: 0500	Repeat: >1
Optional	
Loop: TXI	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify tax 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>
0500	TXI	Tax Information	O	1		Used

# TXI Tax Information

Pos: 0500	Max: 1
Summary - Optional	
Loop: TXI	Elements: 7

**User Option (Usage):** Used

**Purpose:** To specify tax information

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI01	963	Tax Type Code	M	ID	2/2	Must use

**Description:** Code specifying the type of tax

**Code List Summary** (Total Codes: 104, Included: 8)

**Code Name**

- AX Tobacco Tax
- BE Harmonized Sales Tax
- CP County/Parish Sales Tax
- CS City Sales Tax
- GS Goods and Services Tax

**Description:** Canadian value-added tax

**User Note 1:**

Canadian GST

- MD Medical Device Tax
- PG State or Provincial Tax on Goods
- SP State/Provincial Tax

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

TXI02	782	Monetary Amount	X	R	1/18	Used
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**Description:** Monetary amount

**User Note 1:** The amount 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".

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

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

**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".

TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
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**Description:** Code identifying the source of the data used in tax jurisdiction code

**User Note 1:** This data element is used only when TXI01 contains code PG.

**Code List Summary** (Total Codes: 6, Included: 1)

**Code Name**

- SP State or Province

**User Note 1:**

See External Code Source 5.

TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Code identifying the taxing jurisdiction				
		<b>User Note 1:</b> This data element is used only when TXI01 contains code PG and is used to identify the corresponding state or province.				
TXI08	828	<b>Dollar Basis For Percent</b>	O	R	1/9	Used
		<b>Description:</b> Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	<b>Tax Identification Number</b>	O	AN	1/20	Used
		<b>Description:</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				

### Syntax Rules:

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

### Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.
4. TXI11 describes the tax type listed in TXI01.
5. TXI12 is the quantity of trade items subject to the tax in TXI01.
6. TXI13 is the name of the taxing authority.

### Comments:

1. If the TXI01 code does not sufficiently describe the tax type, use of TXI11 is recommended.

# Loop Invoice Shipment Summary

Pos: 0600	Repeat: >1
Optional	
Loop: ISS	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify summary details of total items shipped in terms of quantity, weight, and volume

## 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	ISS	Invoice Shipment Summary	O	1		Used



# ISS Invoice Shipment Summary

Pos: 0600	Max: 1
Summary - Optional	
Loop: ISS	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify summary details of total items shipped in terms of quantity, weight, and volume

## 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>
ISS01	382	<b>Number of Units Shipped</b>	X	R	1/10	Used

**Description:** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

ISS02	355	<b>Unit or Basis for Measurement Code</b>	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: 925, Included: 19)

### 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
V3	Mixed Module

**Description:** A specially configured orderable product module

V4	Multipack
----	-----------

**Description:** A group of trade items that are intended to be sold as a single consumer unit at the Point-of-Sale check-out

V5	Setpack
----	---------

**Description:** An orderable assortment of trade items, each of which may be sold individually at the Point-of-Sale check-out. The Setpack may also be sold.

V6	Prepack Assortment
----	--------------------

**Description:** An orderable standard assortment of trade items - each of which may be sold individually at the Point-of-Sale check-out. The Prepack Assortment itself is not sold at the Point-of-Sale check-out.

ISS03	81	<b>Weight</b>	X	R	1/10	Used
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Numeric value of weight				
ISS04	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>Code List Summary</b> (Total Codes: 925, Included: 6)				
		<b>Code Name</b>				
		KG Kilogram				
		LB Pound				
		V3 Mixed Module				
		<b>Description:</b> A specially configured orderable product module				
		V4 Multipack				
		<b>Description:</b> A group of trade items that are intended to be sold as a single consumer unit at the Point-of-Sale check-out				
		V5 Setpack				
		<b>Description:</b> An orderable assortment of trade items, each of which may be sold individually at the Point-of-Sale check-out. The Setpack may also be sold.				
		V6 Prepack Assortment				
		<b>Description:</b> An orderable standard assortment of trade items - each of which may be sold individually at the Point-of-Sale check-out. The Prepack Assortment itself is not sold at the Point-of-Sale check-out.				

**Syntax Rules:**

1. R010305 - At least one of ISS01, ISS03 or ISS05 is required.
2. P0102 - If either ISS01 or ISS02 is present, then the other is required.
3. P0304 - If either ISS03 or ISS04 is present, then the other is required.
4. P0506 - If either ISS05 or ISS06 is present, then the other is required.

**Semantics:**

1. ISS07 is the quantity of third party pallets.
2. ISS08 is the gross weight of third party pallets in pounds.

# CTT Transaction Totals

Pos: 0700	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 IT1 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: 0800	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	<b>Number of Included Segments</b>	M	N0	1/10	Must use

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

SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	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

**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.