



# 810 Invoice - Canada

VICS EDI

**Version: 007030VICS**

<b>Author:</b>	<b>GS1 Canada and GS1 US</b>
<b>Publication:</b>	<b>2016-12-31</b>
<b>Notes:</b>	<b>For implementation July 2017</b>

# Table of Contents

<b>810 Invoice - Canada</b> .....	<b>1</b>
<b>ST Transaction Set Header</b> .....	<b>5</b>
<b>BIG Beginning Segment for Invoice</b> .....	<b>6</b>
<b>CUR Currency</b> .....	<b>7</b>
<b>REF Reference Information</b> .....	<b>9</b>
<b>PER Administrative Communications Contact</b> .....	<b>10</b>
<b>N1 Loop Party Identification</b> .....	<b>12</b>
<b>N1 Party Identification</b> .....	<b>13</b>
<b>N2 Additional Name Information</b> .....	<b>15</b>
<b>N3 Party Location</b> .....	<b>16</b>
<b>N4 Geographic Location</b> .....	<b>17</b>
<b>ITD Terms of Sale/Deferred Terms of Sale</b> .....	<b>18</b>
<b>DTM Date/Time Reference</b> .....	<b>20</b>
<b>FOB F.O.B. Related Instructions</b> .....	<b>21</b>
<b>IT1 Loop Baseline Item Data (Invoice)</b> .....	<b>22</b>
<b>IT1 Baseline Item Data (Invoice)</b> .....	<b>23</b>
<b>TXI Tax Information</b> .....	<b>29</b>
<b>CTP Pricing Information</b> .....	<b>31</b>
<b>PID Loop Product/Item Description</b> .....	<b>34</b>
<b>PID Product/Item Description</b> .....	<b>35</b>
<b>PO4 Item Physical Details</b> .....	<b>37</b>
<b>SDQ Destination Quantity</b> .....	<b>39</b>
<b>SAC Loop Service, Promotion, Allowance, or Charge Information</b> .....	<b>43</b>
<b>SAC Service, Promotion, Allowance, or Charge Information</b> .....	<b>44</b>
<b>TXI Loop Tax Information</b> .....	<b>50</b>
<b>TXI Tax Information</b> .....	<b>51</b>
<b>TDS Total Monetary Value Summary</b> .....	<b>53</b>
<b>TXI Tax Information</b> .....	<b>54</b>
<b>SAC Loop Service, Promotion, Allowance, or Charge Information</b> .....	<b>56</b>
<b>SAC Service, Promotion, Allowance, or Charge Information</b> .....	<b>57</b>
<b>TXI Loop Tax Information</b> .....	<b>63</b>
<b>TXI Tax Information</b> .....	<b>64</b>
<b>ISS Loop Invoice Shipment Summary</b> .....	<b>66</b>
<b>ISS Invoice Shipment Summary</b> .....	<b>67</b>
<b>CTT Transaction Totals</b> .....	<b>69</b>
<b>SE Transaction Set Trailer</b> .....	<b>70</b>

# 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.

**Note 1:**

*This Functional Profile 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	10
<b>LOOP ID - N1</b>						<b>&gt;1</b>		12
0700	N1	Party Identification	O	1			Used	13
0800	N2	Additional Name Information	O	2			Used	15
0900	N3	Party Location	O	2			Used	16
1000	N4	Geographic Location	O	1			Used	17
* 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	18
1400	DTM	Date/Time Reference	O	10			Used	20
1500	FOB	F.O.B. Related Instructions	O	1			Used	21
* 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>			22
0100	IT1	Baseline Item Data (Invoice)	O	1			Used	23
* 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	29
0500	CTP	Pricing Information	O	25			Used	31
* 0550	PAM	Period Amount	O	10				N/A
* 0590	MEA	Measurements	O	40				N/A
<b>LOOP ID - PID</b>					<b>1000</b>			34
0600	PID	Product/Item Description	O	1			Used	35
* 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	37
* 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	39
* 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>		43
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used	44
<b><u>LOOP ID - TXI</u></b>						<b><u>≥1</u></b>		50
1900	TXI	Tax Information	O	1			Used	51
* 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	53

<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	54
* 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>		56
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used	57
* 0450	DTM	Date/Time Reference	O	>1				N/A
<b>LOOP ID - TXI</b>						<b>≥1</b>		63
0500	TXI	Tax Information	O	1			Used	64
* 0550	DTM	Date/Time Reference	O	1				N/A
<b>LOOP ID - ISS</b>						<b>≥1</b>		66
0600	ISS	Invoice Shipment Summary	O	1			Used	67
* 0650	PID	Product/Item Description	O	1				N/A
0700	CTT	Transaction Totals	O	1		N3/0700	Used	69
0800	SE	Transaction Set Trailer	M	1			Must use	70

**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

**Note 1:** 810 Invoice - Canada

**Code List Summary** (Total Codes: 322, Included: 1)

**Code Name**

810 Invoice

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

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

**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>Note 1:</b> <i>Retailer's original purchase order date</i>				
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>Note 1:</b> <i>Retailer's original purchase order number</i>				
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>Note 1:</b> <i>Retailer's release against the purchase order, if used</i>				

## 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

## Note 1:

See Section V (VICS EDI Conventions) for CUR Usage

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 1536, 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
-------	-----	---------------	---	----	-----	----------

**Description:** Code specifying the Standard ISO code for country in whose currency the charges are specified

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

**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: 1880, Included: 16)

### Code Name

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

#### **Note 1:**

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

IT	Internal Customer Number
----	--------------------------

#### **Note 1:**

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

PD	Promotion/Deal Number
----	-----------------------

AIN	Assemblage Identification Number
-----	----------------------------------

**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
-----	---------------------------------------------------------------

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
-------	-----	--------------------------	---	----	------	----------

**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: 241, Included: 2)

**Code Name**

CR Customer Relations

**Note 1:**

*Customer service representative*

SR Sales Representative or Department

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

**Description:** Free-form name

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

**Description:** Code identifying the type of communication number

**Code List Summary** (Total Codes: 43, Included: 3)

**Code Name**

EM Electronic Mail

FX Facsimile

TE Telephone

PER04	364	Communication Number	X	AN	1/2048	Used
-------	-----	----------------------	---	----	--------	------

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

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

**Description:** Code identifying the type of communication number

**Code List Summary** (Total Codes: 43, Included: 3)

**Code Name**

EM Electronic Mail

FX Facsimile

TE Telephone

PER06	364	Communication Number	X	AN	1/2048	Used
-------	-----	----------------------	---	----	--------	------

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

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

**Description:** Code identifying the type of communication number

**Code List Summary** (Total Codes: 43, Included: 3)

**Code Name**

EM Electronic Mail

FX Facsimile

TE Telephone

PER08 364 **Communication Number** X AN 1/2048 Used

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

**Syntax Rules:**

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

# Loop 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

## Note 1:

*N103 and N104 are required except when N101 contains code CT or RI.  
When the ship to (N101 contains code ST) is the end consumer (customer of retailer), N103 and N104 are not required.  
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.  
When N101 contains code RI, N106 may be used to indicate that the remit-to party is a factor.*

## 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

Pos: 0700	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

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

**Note 1:**

*N103 and N104 are required except when N101 contains code CT or RI.  
 When the ship to (N101 contains code ST) is the end consumer (customer of retailer), N103 and N104 are not required.  
 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.  
 When N101 contains code RI, N106 may be used to indicate that the remit-to party is a factor.*

**Element Summary:**

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

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

**Code List Summary** (Total Codes: 1536, Included: 15)

**Code Name**

AG Agent/Agency

**Note 1:**

*Buyer's agent*

BO Broker or Sales Office

**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

**Note 1:**

*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	Name	X	AN	1/60	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> Free-form name				
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code specifying the system/method of code structure used for Identification Code (67)				
		<b>Code List Summary</b> (Total Codes: 258, Included: 8)				
		<b>Code Name</b>				
		1 D-U-N-S Number, Dun & Bradstreet				
		<b>Note 1:</b> <i>See External Code Source 16 in Section III for reference document.</i>				
		2 Standard Carrier Alpha Code (SCAC)				
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix				
		<b>Note 1:</b> <i>See External Code Source 16 in Section III for reference document.</i>				
		21 Health Industry Number (HIN)				
		<b>Note 1:</b> <i>See External Code Source 121 in Section III for reference document.</i>				
		91 Assigned by Seller or Seller's Agent				
		92 Assigned by Buyer or Buyer's Agent				
		UL Global Location Number (GLN)				
		<b>Description:</b> 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				
		<b>Note 1:</b> <i>See External Code Source 583 for reference document.</i>				
		UM GS1 Global Location Number with Extension Component				
		<b>Description:</b> 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
		<b>Description:</b> Code identifying a party or other code				
		<b>Note 1:</b> <i>This is the location code as defined by N103. The location code may be a formal number, e.g., DUNS, 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.</i>				

**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>Note 1:</b> See External Code Source 22 in Section III for reference document.				
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>Note 1:</b> See External Code Source 51 in Section III for reference document.				
N404	26	<b>Country Code</b>	X	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
		<b>Note 1:</b> See External Code Source 5 in Section III for reference document.				
		<b>Code List Summary</b> (Total Codes: 3, Included: 3)				
		<b><u>Code</u> <u>Name</u></b>				
		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

## Note 1:

See Section V (ITD Terms Specification and Formulas) 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 that 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	<b>Terms Type Code</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying type of payment terms						
<b>Code List Summary</b> (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	<b>Terms Basis Date Code</b>	O	ID	1/2	Used
<b>Description:</b> Code identifying the beginning of the terms period						
<b>Code List Summary</b> (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	<b>Terms Discount Percent</b>	O	R	1/6	Used
<b>Description:</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date						
<b>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

<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> 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>Note 1:</b> <i>The end of the term period is derived by adding this value to the beginning of the term period, as qualified by ITD02.</i>				
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>Note 1:</b> <i>The end of the term period is derived by adding this value to the beginning of the term period, as qualified by ITD02.</i>				
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: 1317, 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
-------	-----	-------------	---	----	-----	----------

**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
-------	-----	---------------------------	---	----	-----	------

**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
-------	-----	--------------------	---	----	------	------

**Description:** A free-form description to clarify the related data elements and their content**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: 14

**User Option (Usage):** Used

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

**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.*

**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.*

**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	Assigned Identification	O	AN	1/20	Used

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

**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.*

**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	Quantity Invoiced	X	R	1/15	Must use
-------	-----	-------------------	---	---	------	----------

**Description:** Number of units invoiced (supplier units)

IT103	355	Unit or Basis for Measurement Code	X	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: 914, Included: 19)

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

**Code Name**

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.IT104 212 **Unit Price** X R 1/17 Must use**Description:** Price per unit of product, service, commodity, etc.**Note 1:** The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".

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

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: 550, Included: 8)**Code Name**

AO Assemblage Identification Number

**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

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

NP Natural Health Product Number

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

VN Vendor's (Seller's) Item Number

**Note 1:**

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

**Note 2:**

**Code Name**

*For trading partners who do not have a GS1 Canada company prefix, please contact GS1 Canada.*

IT107	234	<b>Product/Service ID</b>	X	AN	1/80	Used
-------	-----	---------------------------	---	----	------	------

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

IT108	235	<b>Product/Service ID Qualifier</b>	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: 550, Included: 9)

**Code Name**

AO Assemblage Identification Number

**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

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

NP Natural Health Product Number

PL Purchaser's Order Line Number

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

VN Vendor's (Seller's) Item Number

**Note 1:**

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

**Note 2:**

*For trading partners who do not have a GS1 Canada company prefix, please contact GS1 Canada.*

IT109	234	<b>Product/Service ID</b>	X	AN	1/80	Used
-------	-----	---------------------------	---	----	------	------

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

IT110	235	<b>Product/Service ID Qualifier</b>	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: 550, Included: 9)

**Code Name**

AO Assemblage Identification Number

**Description:** A system generated number used in combination with the Build Directive Number for internal control of component control numbers being applied to

<b>Code</b>	<b>Name</b>
	<i>a particular medical or industrial kit or assembly</i>
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
IN	Buyer's Item Number
NP	Natural Health Product Number
PL	Purchaser's Order Line Number
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
VN	Vendor's (Seller's) Item Number

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

**Note 2:**  
*For trading partners who do not have a GS1 Canada company prefix, please contact GS1 Canada.*

IT111	234	<b>Product/Service ID</b>	X	AN	1/80	Used
		<b>Description:</b> Identifying number for a product or service				
IT112	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

**Code List Summary (Total Codes: 550, Included: 9)**

<b>Code</b>	<b>Name</b>
AO	Assemblage Identification Number <b>Description:</b> 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
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
IN	Buyer's Item Number
NP	Natural Health Product Number
PL	Purchaser's Order Line Number
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

**Code Name**

**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

**Note 1:**

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

**Note 2:**

*For trading partners who do not have a GS1 Canada company prefix, please contact GS1 Canada.*

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
-------	-----	-------------------------------------	---	----	-----	------

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

**Code List Summary** (Total Codes: 550, Included: 9)

**Code Name**

AO Assemblage Identification Number

**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

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

NP Natural Health Product Number

PL Purchaser's Order Line Number

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

VN Vendor's (Seller's) Item Number

**Note 1:**

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

**Note 2:**

*For trading partners who do not have a GS1 Canada company prefix, please contact GS1 Canada.*

IT115	234	<b>Product/Service ID</b>	X	AN	1/80	Used
-------	-----	---------------------------	---	----	------	------

**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	<b>Tax Type Code</b>	M	ID	2/2	Must use

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

**Code List Summary** (Total Codes: 103, Included: 7)

**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*

**Note 1:**

*Canadian GST*

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
-------	-----	------------------------	---	---	------	------

**Description:** Monetary amount

**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
-------	-----	------------------------------	---	---	------	------

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

**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
-------	-----	----------------------------------------	---	----	-----	------

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

**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

**Note 1:**

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

TXI05	956	<b>Tax Jurisdiction Code</b>	X	AN	1/10	Used
-------	-----	------------------------------	---	----	------	------

**Description:** Code identifying the taxing jurisdiction

**Note 1:** *This data element is used only when TXI01 contains code PG and is used to*

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>identify the corresponding state or province.</i>				
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><u>Code</u> <u>Name</u></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><u>Code</u> <u>Name</u></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.



# CTP Pricing Information

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

**User Option (Usage):** Used

**Purpose:** To specify pricing information

## Element Summary:

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

**Description:** Code indicating class of trade

**Code List Summary** (Total Codes: 63, Included: 6)

**Code Name**

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

CTP02	236	Price Identifier Code	X	ID	3/3	Must use
-------	-----	-----------------------	---	----	-----	----------

**Description:** Code identifying pricing specification

**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: 171, Included: 7)

**Code Name**

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

**Note 1:**

*Promotion/Event*

- RTL Retail
- UCP Unit cost price

**Note 1:**

*Item list cost*

**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	Unit Price	X	R	1/17	Must use
-------	-----	------------	---	---	------	----------

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

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

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

**Description:** Numeric value of quantity

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP05	C001	<b>Composite Unit of Measure</b>	X	Comp		Used

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

**Comments:**

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

CTP05-01	355	<b>Unit or Basis for Measurement Code</b>	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: 914, 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
	<b>Description:</b> <i>A specially configured orderable product module</i>
V4	Multipack
	<b>Description:</b> <i>A group of trade items that are intended to be sold as a single consumer unit at the Point-of-Sale check-out</i>
V5	Setpack
	<b>Description:</b> <i>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.</i>
V6	Prepack Assortment
	<b>Description:</b> <i>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</i>

**Code Name***not sold at the Point-of-Sale check-out.*

CTP09	639	<b>Basis of Unit Price Code</b>	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	<b>Condition Value</b>	O	AN	1/10	Used
-------	-----	------------------------	---	----	------	------

**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

## Note 1:

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

*This segment may be used to transmit semi-custom product descriptions, such as made-to-order window coverings, jewelry, furniture, apparel, automotive parts, and other customer specific products. When used for this purpose, PID04 will contain the multi-part VICS EDI Semi-Custom Product Description Code. The complete code list is contained in Section III. In addition to the VICS EDI Semi-Custom Product Description Code, PID05 may be used for text descriptions, PID06 for relative placement, and additional MEA segment(s) for actual measurement values.*

## 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

**Note 1:**

The PID segment is used to provide product/item descriptions in text and or coded formats. The codes in PID04 are published only in this guideline. This segment may be used to transmit semi-custom product descriptions, such as made-to-order window coverings, jewelry, furniture, apparel, automotive parts, and other customer specific products. When used for this purpose, PID04 will contain the multi-part VICS EDI Semi-Custom Product Description Code. The complete code list is contained in Section III. In addition to the VICS EDI Semi-Custom Product Description Code, PID05 may be used for text descriptions, PID06 for relative placement, and additional MEA segment(s) for actual measurement values.

**Element Summary:**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 3)

**Code Name**

F Free-form

**Note 1:**

The description will be found in PID05.

S Structured (From Industry Code List)

**Note 1:**

The description will be found in PID04.

X Semi-structured (Code and Text)

**Note 1:**

The description will be found in PID04 and PID05.

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

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

**Code List Summary** (Total Codes: 275, Included: 12)

**Code Name**

08 Product

DP Drug Product Identification

M1 Method of Catch

**Note 1:**

If M1 is selected, the value in PID05 shall be either 'Wild Caught' or 'Farm Raised'.

MC Markings Front

MD Markings Back

ME Markings Alternate

SH Trade Item Shape Description

UN Unscheduled Drug

BHZ Biomedical Hazard

**Code Name**

IML Image Link  
LSC Label Storage Conditions  
TIU Trade Item Unit Indicator

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

**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

Pos: 1000	Max: 1
Detail - Optional	
Loop: IT1	Elements: 3

**User Option (Usage):** Used

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

## Note 1:

*This segment is used to specify the packaging of the item in the case or carton. There may be two levels of packaging specified. The first level is always specified by using PO401 (Pack). The first level may be actual items, e.g., consumer units, or it may be the number of smaller containers within the case. The second level, specified using PO414 (Inner Pack), is the number of eaches in each inner container when PO401 is the number of smaller containers within the case. See Section V (Pack/Inner Pack Usage) for usage examples.*

*This segment may be used to specify the weight and/or volume (cube) for the item by using PO406 and PO407, and/or PO408 and PO409.*

## Element Summary:

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

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

PO402	357	Size	X	R	1/8	Used
-------	-----	------	---	---	-----	------

**Description:** Size of supplier units in pack

PO403	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
-------	-----	------------------------------------	---	----	-----	------

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

**Code List Summary** (Total Codes: 914, 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.*

**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

**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: 914, 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.

SDQ02	66	Identification Code Qualifier	O	ID	1/2	Must use
-------	----	-------------------------------	---	----	-----	----------

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Code specifying the system/method of code structure used for Identification Code (67)				
		<b>Code List Summary</b> (Total Codes: 258, Included: 6)				
		<b>Code</b>		<b>Name</b>		
		1		D-U-N-S Number, Dun & Bradstreet		
				<b>Note 1:</b>		
				<i>See External Code Source 16 in Section III for reference document.</i>		
		9		D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
				<b>Note 1:</b>		
				<i>See External Code Source 16 in Section III for reference document.</i>		
		21		Health Industry Number (HIN)		
				<b>Note 1:</b>		
				<i>See External Code Source 121 in Section III for reference document.</i>		
		91		Assigned by Seller or Seller's Agent		
		92		Assigned by Buyer or Buyer's Agent		
		UL		Global Location Number (GLN)		
				<b>Description:</b> 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		
				<b>Note 1:</b>		
				<i>See External Code Source 583 in Section III for reference document.</i>		
SDQ03	67	<b>Identification Code</b>	M	AN	2/80	Must use
		<b>Description:</b> Code identifying a party or other code				
SDQ04	380	<b>Quantity</b>	M	R	1/15	Must use
		<b>Description:</b> Numeric value of quantity				
SDQ05	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
SDQ06	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ07	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
SDQ08	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ09	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
SDQ10	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SDQ11	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				

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

**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.*

**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: 15

**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

**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.*

**Note 2:**

*As a best practice, the GS1 US XRG recommends 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
-------	------	------------------------------------------------------	---	----	-----	------

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

**Code List Summary** (Total Codes: 1091, 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

**Note 1:**

*Use for GST and Harmonization Credit Allowance.*

D360 Goods and Services Tax Charge

**Note 1:**

*Used for GST and HST tax charge.*

D500 Handling

**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 & 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

**Note 1:**

*Used for Provincial Tobacco Tax.*

H770 Tax - State Tax

**Note 1:**

*Used for Provincial Sales Tax.*

H806 Tax Credit

**Note 1:**

*Used for Provincial Tax Credit.*

I580 Warehousing  
I590 Warranties

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC03	559	<b>Agency Qualifier Code</b>	X	ID	2/2	Used

**Description:** Code identifying the agency assigning the code values

**Code List Summary** (Total Codes: 196, Included: 1)

**Code Name**

VI Voluntary Inter-Industry Commerce Standard (VICS) EDI

**Note 1:**

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

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

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

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

*See Section III for code list.*

SAC05	610	<b>Amount</b>	O	N2	1/15	Used
-------	-----	---------------	---	----	------	------

**Description:** Monetary amount

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

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

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

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

**Code Name**

1 Item List Cost  
2 Item Net Cost  
3 Discount/Gross

**Note 1:**

*All allowances are off the gross price including cash discount.*

4 Discount/Net

**Note 1:**

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

5 Base Price per Unit

**Note 1:**

*Line item discount*

6 Base Price Amount

7 Base Price Amount Less Previous Discount

**Note 1:**

*Declining balance method*

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

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

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



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC08	118	<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: 914, Included: 19)				
		<b><u>Code</u> <u>Name</u></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 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.				
SAC10	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
		<b>Note 1:</b> When SAC02 contains code D170, this data element is required and will contain the quantity of free goods. The unit of measure is in SAC09.				
		SAC10 alone is used to indicate a specific quantity which could be a dollar amount, that is applicable to the service, promotion, allowance, or charge.				
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code indicating method of handling for an allowance or charge				

**Code List Summary** (Total Codes: 22, Included: 6)**Code Name**

01 Bill Back

**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

**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

**Note 1:**

*The vendor will issue a check directly to the customer of the retailer, or end consumer, for the allowance or charge amount. The amount is not reflected in the total invoice amount.*

04 Credit Customer Account

**Note 1:**

*The retailer's account will be credited for the amount of the allowance or charge. The amount is not reflected in the total invoice amount.*

05 Charge to be Paid by Vendor

**Note 1:**

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

06 Charge to be Paid by Customer

**Note 1:**

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

SAC13	127	<b>Reference Identification</b>	X	AN	1/80	Used
-------	-----	---------------------------------	---	----	------	------

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

**Note 1:** *Used for tax registration number.*

SAC14	770	<b>Option Number</b>	O	AN	1/20	Used
-------	-----	----------------------	---	----	------	------

**Description:** 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
-------	-----	--------------------	---	----	------	------

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

SAC16	819	<b>Language Code</b>	O	ID	2/3	Used
-------	-----	----------------------	---	----	-----	------

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

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

**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

Pos: 1900	Max: 1
Detail - 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: 103, Included: 7)

**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

**Note 1:**

Canadian GST

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
-------	-----	-----------------	---	---	------	------

**Description:** Monetary amount

**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%)

**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

**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

**Note 1:**

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

TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
-------	-----	-----------------------	---	----	------	------

**Description:** Code identifying the taxing jurisdiction

**Note 1:** This data element is used only when TXI01 contains code PG and is used to

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>identify the corresponding state or province.</i>				
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.

# 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:

<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: 103, Included: 7)

**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

**Note 1:**

Canadian GST

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
-------	-----	------------------------	---	---	------	------

**Description:** Monetary amount

**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
-------	-----	------------------------------	---	---	------	------

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

**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
-------	-----	----------------------------------------	---	----	-----	------

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

**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

**Note 1:**

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

TXI05	956	<b>Tax Jurisdiction Code</b>	X	AN	1/10	Used
-------	-----	------------------------------	---	----	------	------

**Description:** Code identifying the taxing jurisdiction

**Note 1:** This data element is used only when TXI01 contains code PG and is used to



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>identify the corresponding state or province.</i>				
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><u>Code</u> <u>Name</u></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><u>Code</u> <u>Name</u></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.

# 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

**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.*

**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: 15

**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

**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.*

**Note 2:**

*As a best practice, the GS1 US XRG recommends 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
-------	------	------------------------------------------------------	---	----	-----	------

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

**Code List Summary** (Total Codes: 1091, 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
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

**Note 1:**

*Use for GST and Harmonization Credit Allowance.*

D360 Goods and Services Tax Charge

**Note 1:**

*Used for GST and HST tax charge.*

D500 Handling

**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 & 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

**Note 1:**

*Used for Provincial Tobacco Tax.*

H770 Tax - State Tax

**Note 1:**

*Used for Provincial Sales Tax.*

H806 Tax Credit

**Note 1:**

*Used for Provincial Tax Credit.*

I580 Warehousing  
I590 Warranties

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC03	559	<b>Agency Qualifier Code</b>	X	ID	2/2	Used

**Description:** Code identifying the agency assigning the code values

**Code List Summary** (Total Codes: 196, Included: 1)

**Code Name**

VI Voluntary Inter-Industry Commerce Standard (VICS) EDI

**Note 1:**

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

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

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

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

*See Section III for code list.*

SAC05	610	<b>Amount</b>	O	N2	1/15	Used
-------	-----	---------------	---	----	------	------

**Description:** Monetary amount

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

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

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

**Code List Summary** (Total Codes: 16, Included: 6)

**Code Name**

1 Item List Cost

2 Item Net Cost

3 Discount/Gross

**Note 1:**

*All allowances are off the gross price including cash discount.*

4 Discount/Net

**Note 1:**

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

5 Base Price per Unit

**Note 1:**

*Line item discount*

7 Base Price Amount Less Previous Discount

**Note 1:**

*Declining balance method*

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

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

**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".*

SAC08	118	<b>Rate</b>	O	R	1/9	Used
-------	-----	-------------	---	---	-----	------

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

**Description:** 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
-------	-----	-------------------------------------------	---	----	-----	------

**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: 914, 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.

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

**Description:** Numeric value of quantity

**Note 1:** When SAC02 contains code D170, this data element is required and will contain the quantity of free goods. The unit of measure is in SAC09.

SAC10 alone is used to indicate a specific quantity which could be a dollar amount, that is applicable to the service, promotion, allowance, or charge.

SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	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

**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

**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

**Note 1:**

*The vendor will issue a check directly to the customer of the retailer, or end consumer, for the allowance or charge amount. The amount is not reflected in the total invoice amount.*

04 Credit Customer Account

**Note 1:**

*The retailer's account will be credited for the amount of the allowance or charge. The amount is not reflected in the total invoice amount.*

05 Charge to be Paid by Vendor

**Note 1:**

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

06 Charge to be Paid by Customer

**Note 1:**

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

SAC13	127	<b>Reference Identification</b>	X	AN	1/80	Used
-------	-----	---------------------------------	---	----	------	------

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

**Note 1:** Used for Tax Registration Number.

SAC14	770	<b>Option Number</b>	O	AN	1/20	Used
-------	-----	----------------------	---	----	------	------

**Description:** 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
-------	-----	--------------------	---	----	------	------

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

SAC16	819	<b>Language Code</b>	O	ID	2/3	Used
-------	-----	----------------------	---	----	-----	------

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

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

**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:

<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: 103, Included: 7)

**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

**Note 1:**

Canadian GST

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
-------	-----	-----------------	---	---	------	------

**Description:** Monetary amount

**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%)

**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

**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

**Note 1:**

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

TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
-------	-----	-----------------------	---	----	------	------

**Description:** Code identifying the taxing jurisdiction

**Note 1:** This data element is used only when TXI01 contains code PG and is used to

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>identify the corresponding state or province.</i>				
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.

# 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

**Note 1:**

*When used by the alcohol beverage industry, a single ISS segment is used to specify the total number of cases, bottles, etc., for which the customer is being invoiced. Additional iterations of the ISS/PID segments are used to summarize the total number of wine gallons, spirit gallons, etc.*

**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**Note 1:**

When used by the alcohol beverage industry, a single ISS segment is used to specify the total number of cases, bottles, etc., for which the customer is being invoiced. Additional iterations of the ISS/PID segments are used to summarize the total number of wine gallons, spirit gallons, etc.

**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	Number of Units Shipped	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	Unit or Basis for Measurement Code	X	ID	2/2	Used
-------	-----	------------------------------------	---	----	-----	------

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

**Code List Summary** (Total Codes: 914, 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
V4	Multipack
V5	Setpack
V6	Prepack Assortment

**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

**Code Name***not sold at the Point-of-Sale check-out.*

ISS03	81	<b>Weight</b>	X	R	1/10	Used
-------	----	---------------	---	---	------	------

**Description:** Numeric value of weight

ISS04	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: 914, Included: 6)**Code Name**

KG Kilogram

LB Pound

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.***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

**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
------	-----	---------------------------------------	---	----	-----	----------

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

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

## Comments:

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