



# **855 Purchase Order Acknowledgment - Canada**

VICS EDI

**Version: 008010VICS**

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# 855 Purchase Order Acknowledgment - Canada

## Functional Group=PR

**Purpose:** This X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) 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 a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

### User Note 1:

This 855 Purchase Order Acknowledgment implementation guideline is for use in Canada.

### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
0100	ST	Transaction Set Header	M	1			Must use	7
0200	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use	8
* 0400	CUR	Currency	O	1				N/A
0500	REF	Reference Information	O	>1			Used	11
* 0600	PER	Administrative Communications Contact	O	3				N/A
* 0700	TAX	Tax Reference	O	>1				N/A
* 0800	FOB	F.O.B. Related Instructions	O	>1				N/A
* 0900	CTP	Pricing Information	O	>1				N/A
* 0950	PAM	Period Amount	O	10				N/A
* 1100	CSH	Sales Requirements	O	1				N/A
<b>* LOOP ID - SAC</b>					<b>≥1</b>			N/A
* 1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1				N/A
* 1250	CUR	Currency	O	1				N/A
* 1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1				N/A
* 1400	DIS	Discount Detail	O	20				N/A
* 1450	INC	Installment Information	O	1				N/A
1500	DTM	Date/Time Reference	O	10			Used	12
* 1600	LDT	Lead Time	O	12				N/A
* 1800	LIN	Item Identification	O	5		N1/1800		N/A
* 1850	SI	Service Characteristic Identification	O	>1				N/A
* 1900	PID	Product/Item Description	O	200				N/A
* 2000	MEA	Measurements	O	40				N/A
* 2100	PWK	Paperwork	O	25				N/A
* 2200	PKG	Marking, Packaging, Loading	O	25				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>
* 2300	TD1	Carrier Details (Quantity and Weight)	O	2				N/A
* 2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12				N/A
* 2500	TD3	Carrier Details (Equipment)	O	12				N/A
* 2600	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5				N/A
* 2700	MAN	Marks and Numbers Information	O	10				N/A
* 2750	TXI	Tax Information	O	>1				N/A
* 2770	CTB	Restrictions/Conditions	O	>1				N/A
<b>* LOOP ID - N9</b>					<b>1000</b>			N/A
* 2800	N9	Extended Reference Information	O	1				N/A
* 2850	DTM	Date/Time Reference	O	>1				N/A
* 2900	MTX	Text	O	>1				N/A
* 2950	PWK	Paperwork	O	>1				N/A
* 2980	EFI	Electronic Format Identification	O	>1				N/A
<b>LOOP ID - N1</b>					<b>≥1</b>			14
3000	N1	Party Identification	O	1			Used	15
3100	N2	Additional Name Information	O	2			Used	18
* 3150	IN2	Individual Name Structure Components	O	>1				N/A
3200	N3	Party Location	O	2			Used	19
3300	N4	Geographic Location	O	1			Used	20
* 3350	NX2	Location ID Component	O	>1				N/A
* 3400	REF	Reference Information	O	12				N/A
* 3500	PER	Administrative Communications Contact	O	>1				N/A
* 3550	SI	Service Characteristic Identification	O	>1				N/A
* 3600	FOB	F.O.B. Related Instructions	O	1				N/A
* 3700	TD1	Carrier Details (Quantity and Weight)	O	2				N/A
* 3800	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12				N/A
* 3900	TD3	Carrier Details (Equipment)	O	12				N/A
* 4000	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5				N/A
* 4100	PKG	Marking, Packaging, Loading	O	25				N/A
* 4200	MTX	Text	O	>1				N/A
<b>* LOOP ID - ADV</b>					<b>≥1</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>
* 4300	ADV	Advertising Demographic Information	O	1				N/A
* 4400	DTM	Date/Time Reference	O	>1				N/A
* 4500	MTX	Text	O	>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><u>LOOP ID - PO1</u></b>						<b>≥1</b>	<b><u>N2/0100L</u></b>	21
0100	PO1	Baseline Item Data	O	1			Used	22
* 0150	LIN	Item Identification	O	>1				N/A
* 0180	SI	Service Characteristic Identification	O	>1				N/A
* 0200	CUR	Currency	O	1				N/A
* 0300	PO3	Additional Item Detail	O	25				N/A
0400	CTP	Pricing Information	O	>1			Used	33
* 0450	PAM	Period Amount	O	10				N/A
* 0490	MEA	Measurements	O	40				N/A
<b>* <u>LOOP ID - PID</u></b>						<b>1000</b>		N/A
* 0500	PID	Product/Item Description	O	1				N/A
* 0600	MEA	Measurements	O	10				N/A
* 0700	PWK	Paperwork	O	25				N/A
0900	PO4	Item Physical Details	O	>1			Used	35
* 1000	REF	Reference Information	O	>1				N/A
* 1050	YNQ	Yes/No Question	O	25				N/A
* 1100	PER	Administrative Communications Contact	O	3				N/A
<b><u>LOOP ID - SAC</u></b>						<b>≥1</b>		37
1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used	38
* 1350	CUR	Currency	O	1				N/A
* 1400	IT8	Conditions of Sale	O	1				N/A
* 1420	CSH	Sales Requirements	O	>1				N/A
* 1500	ITD	Terms of Sale/Deferred Terms of Sale	O	>1				N/A
* 1600	DIS	Discount Detail	O	20				N/A
* 1650	INC	Installment Information	O	1				N/A
* 1700	TAX	Tax Reference	O	>1				N/A
* 1800	FOB	F.O.B. Related Instructions	O	>1				N/A
1900	SDQ	Destination Quantity	O	>1			Used	43
* 2000	DTM	Date/Time Reference	O	10				N/A
* 2100	LDT	Lead Time	O	12				N/A
* 2300	TD1	Carrier Details (Quantity and Weight)	O	1				N/A
* 2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12				N/A
* 2500	TD3	Carrier Details	O	12				N/A

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u> (Equipment)	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
* 2600	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5				N/A
<b><u>LOOP ID - ACK</u></b>						<b><u>104</u></b>		46
2700	ACK	Line Item Acknowledgment	O	1			Used	47
* 2800	DTM	Date/Time Reference	O	1				N/A
* 2900	MAN	Marks and Numbers Information	O	10				N/A
* 2930	AMT	Monetary Amount Information	O	1		N2/2930		N/A
* 2950	CTB	Restrictions/Conditions	O	>1				N/A
* 2960	TXI	Tax Information	O	>1				N/A
<b>* <u>LOOP ID - QTY</u></b>						<b><u>&gt;1</u></b>		N/A
* 3000	QTY	Quantity Information	O	1				N/A
* 3020	SI	Service Characteristic Identification	O	>1				N/A
<b>* <u>LOOP ID - PKG</u></b>						<b><u>200</u></b>		N/A
* 3030	PKG	Marking, Packaging, Loading	O	1				N/A
* 3050	MEA	Measurements	O	>1				N/A
<b>* <u>LOOP ID - SCH</u></b>						<b><u>200</u></b>	<b><u>N2/3100L</u></b>	N/A
* 3100	SCH	Line Item Schedule	O	1				N/A
* 3150	TD1	Carrier Details (Quantity and Weight)	O	2				N/A
* 3200	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12				N/A
* 3300	TD3	Carrier Details (Equipment)	O	12				N/A
* 3400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5				N/A
* 3450	REF	Reference Information	O	>1				N/A
<b>* <u>LOOP ID - N9</u></b>						<b><u>1000</u></b>		N/A
* 3500	N9	Extended Reference Information	O	1				N/A
* 3550	DTM	Date/Time Reference	O	>1				N/A
* 3600	MTX	Text	O	>1				N/A
* 3650	PWK	Paperwork	O	>1				N/A
* 3680	EFI	Electronic Format Identification	O	>1				N/A
<b><u>LOOP ID - N1</u></b>						<b><u>200</u></b>		52
3700	N1	Party Identification	O	1			Used	53
3800	N2	Additional Name Information	O	2			Used	54
* 3850	IN2	Individual Name Structure Components	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>
3900	N3	Party Location	O	2			Used	55
4000	N4	Geographic Location	O	1			Used	56
* 4050	NX2	Location ID Component	O	>1				N/A
* 4100	REF	Reference Information	O	12				N/A
* 4200	PER	Administrative Communications Contact	O	3				N/A
* 4250	SI	Service Characteristic Identification	O	>1				N/A
* 4260	DTM	Date/Time Reference	O	1				N/A
* 4300	FOB	F.O.B. Related Instructions	O	1				N/A
* 4350	SCH	Line Item Schedule	O	200				N/A
* 4400	TD1	Carrier Details (Quantity and Weight)	O	2				N/A
* 4500	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12				N/A
* 4600	TD3	Carrier Details (Equipment)	O	12				N/A
* 4700	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5				N/A
* 4750	QTY	Quantity Information	O	>1				N/A
* 4800	PKG	Marking, Packaging, Loading	O	25				N/A
<b>LOOP ID - SLN</b>								<b>1000</b>
4900	SLN	Subline Item Detail	O	1			Used	57
* 4950	MTX	Text	O	>1				58
* 5000	SI	Service Characteristic Identification	O	>1				N/A
* 5100	PID	Product/Item Description	O	1000				N/A
* 5200	PO3	Additional Item Detail	O	25				N/A
* 5210	MEA	Measurements	O	>1				N/A
* 5220	CTP	Pricing Information	O	25				N/A
* 5230	PAM	Period Amount	O	10				N/A
* 5300	ACK	Line Item Acknowledgment	O	104				N/A
<b>* LOOP ID - SAC</b>								<b>10</b>
* 5400	SAC	Service, Promotion, Allowance, or Charge Information	O	1				N/A
* 5450	CUR	Currency	O	1				N/A
* 5500	DTM	Date/Time Reference	O	10				N/A
* 5540	PO4	Item Physical Details	O	1				N/A
* 5570	TAX	Tax Reference	O	3				N/A
* 5580	ADV	Advertising Demographic Information	O	>1				N/A
<b>* LOOP ID - QTY</b>								<b>&gt;1</b>
* 5590	QTY	Quantity Information	O	1				N/A
* 5610	SI	Service Characteristic	O	>1				N/A

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u> Identification	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
<b>* LOOP ID - N9</b>						<b>≥1</b>		N/A
* 5630	N9	Extended Reference Information	O	1				N/A
* 5640	DTM	Date/Time Reference	O	>1				N/A
* 5650	MTX	Text	O	>1				N/A
<b>* LOOP ID - N1</b>						<b>10</b>		N/A
* 5760	N1	Party Identification	O	1				N/A
* 5780	N2	Additional Name Information	O	2				N/A
* 5790	IN2	Individual Name Structure Components	O	>1				N/A
* 5800	N3	Party Location	O	2				N/A
* 5900	N4	Geographic Location	O	1				N/A
* 6000	NX2	Location ID Component	O	>1				N/A
* 6100	REF	Reference Information	O	12				N/A
* 6200	PER	Administrative Communications Contact	O	3				N/A
* 6250	SI	Service Characteristic Identification	O	>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>
<b>LOOP ID - CTT</b>						<b>1</b>	<b>N3/0100L</b>	71
0100	CTT	Transaction Totals	O	1			Used	72
* 0200	AMT	Monetary Amount Information	O	1		N3/0200		N/A
0300	SE	Transaction Set Trailer	M	1			Must use	73

**Notes:**

- 1/1800 If segment LIN is used, do not use LIN01.
- 2/0100L PO102 is required.
- 2/2930 If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.
- 2/3100L The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
- 3/0100L The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/0200 If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.



# ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use**Purpose:** To indicate the start of a transaction set and to assign a control number**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

**Description:** Code identifying a Transaction Set**User Note 1:** 855 Purchase Order Acknowledgment - Canada**Code List Summary** (Total Codes: 323, Included: 1)**Code Name**

855 Purchase Order Acknowledgment

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set**User Note 1:** The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.**Semantics:**

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

# BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

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

**Purpose:** To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

## User Note 1:

When notifying a retailer of a vendor-generated replenishment order, either code 00 or 16 is used in BAK01 and code AP is used in BAK02.

When acknowledging a retailer's purchase order, code 00 is used in BAK01 and either code AD or AK is used in BAK02.

When changing a vendor-generated replenishment order, code 05 is used in BAK01 and code AP is used in BAK02. When acknowledging a retailer's purchase order with change, code 19 is used in BAK01 and either code AC or AE is used in BAK02.

When canceling a vendor-generated replenishment order, code 01 is used in BAK01 and code AP is used in BAK02. When acknowledging a retailer's purchase order with a cancellation, code 01 is used in BAK01 and code RJ is used in BAK02.

## 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>
BAK01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

**Description:** Code identifying purpose of transaction set

**Code List Summary** (Total Codes: 76, Included: 5)

### Code Name

00 Original

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

NOTIFICATION: If XQ01, in Transaction Set 852, contains code G, BAK01 will contain code 00.

ACKNOWLEDGMENT: This is the original acknowledgment.

01 Cancellation

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

NOTIFICATION: Cancel the vendor-generated replenishment order. The canceled purchase order number is not available for reuse until reissued within the normal business cycle.

ACKNOWLEDGMENT: Cancels the retailer's purchase order.

05 Replace

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

NOTIFICATION: The previously transmitted vendor-generated replenishment order has changed and should be replaced (re-transmitted) in its entirety.

ACKNOWLEDGMENT: This code is not valid for regular acknowledgments.

**Code Name**

16 Proposed

**User Note 1:**

NOTIFICATION: If XQ01, in Transaction Set 852, contains code F, BAK01 will contain code 16.

ACKNOWLEDGMENT: This code is not valid for regular acknowledgments.

19 Seller initiated change

**User Note 1:**

NOTIFICATION: This code is not valid for notification of vendor-generated replenishment orders.

ACKNOWLEDGMENT: Change the retailer's purchase order.

BAK02 587 **Acknowledgment Type Code** M ID 2/2 Must use**Description:** Code specifying the type of acknowledgment**User Note 1:**

Codes AC, AD, AE, AK and RJ may be used only for acknowledgments to a retailer's purchase order.

Code AP may only be used to indicate a vendor-generated replenishment acknowledgment (notification).

**Code List Summary** (Total Codes: 15, Included: 6)**Code Name**

AC Acknowledge - With Detail and Change

**User Note 1:**

Full purchase order detail must be transmitted

AD Acknowledge - With Detail, No Change

AE Acknowledge - With Exception Detail Only

**User Note 1:**

Only transmit details of change

AK Acknowledge - No Detail or Change

AP Acknowledge - Product Replenishment

RJ Rejected - No Detail

BAK03 324 **Purchase Order Number** M AN 1/22 Must use**Description:** Identifying number for Purchase Order assigned by the orderer/purchaser**User Note 1:** NOTIFICATION: Purchase order numbers are negotiable as part of trading partner relationships and can be pre-assigned in XPO01 or XPO02 in Transaction Set 852.BAK04 373 **Date** M DT 8/8 Must use**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year**User Note 1:** NOTIFICATION: The date the replenished order was created from the suppliers modeling systemBAK05 328 **Release Number** O AN 1/30 Used**Description:** Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BAK07	367	<b>Contract Number</b>	O	AN	1/30	Used

**Description:** Contract number

### Semantics:

1. BAK04 is the date assigned by the purchaser to purchase order.
2. BAK08 is the seller's order number.
3. BAK09 is the date assigned by the sender to the acknowledgment.

# REF Reference Information

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

**User Option (Usage):** Used

**Purpose:** To specify identifying information

## User Note 1:

There must be one occurrence of this segment to specify the retailer's department number, if the retailer has department numbers. Additional segments may be used to specify other reference numbers.

## Element Summary:

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

**Description:** Code identifying the Reference Identification

**Code List Summary** (Total Codes: 1904, Included: 6)

### Code Name

AH Agreement Number

D3 National Council for Prescription Drug Programs Pharmacy Number

### **User Note 1:**

See External Code Source 307.

DP Department Number

IA Internal Vendor Number

### **User Note 1:**

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

IT Internal Customer Number

### **User Note 1:**

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

PD Promotion/Deal Number

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

## Syntax Rules:

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

## Semantics:

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

# DTM Date/Time Reference

Pos: 1500	Max: 10
Heading - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

## User Note 1:

This segment is used to specify order processing dates.

## Element Summary:

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

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

**Code List Summary** (Total Codes: 1343, Included: 9)

### Code Name

001 Cancel After

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

If the order has not been shipped by this date, the order is considered canceled

002 Delivery Requested

007 Effective

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

For terms

009 Process

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

Date and time transaction was generated

010 Requested Ship

017 Estimated Delivery

068 Current Schedule Ship

086 Scheduled for Shipment (Week of)

118 Requested Pickup

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

Pick-up date for backhaul

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

DTM03	337	<b>Time</b>	X	TM	4/8	Used
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**Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

## 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.

# Loop Party Identification

Pos: 3000	Repeat: >1
Optional	
Loop: N1	Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
3000	N1	Party Identification	O	1		Used
3100	N2	Additional Name Information	O	2		Used
3200	N3	Party Location	O	2		Used
3300	N4	Geographic Location	O	1		Used



# N1 Party Identification

<b>Pos: 3000</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

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

## User Note 1:

This segment is used to identify the retailer's locations as they pertain to the order. The ship-to (N101 contains code ST) may be identified in the header area or the detail area, but not both.

In some EDI implementations, it may be necessary to identify the sender and/or receiver of the transaction set.

To identify the sender of the transaction set, N101 will contain code FR.

To identify the receiver of the transaction set, N101 will contain code TO.

For spreadsheet orders, the SDQ segment identifies the retailer's ultimate destination. When necessary the N1 segment may be used to identify the bill-to or ship-to location.

Only one iteration of each of the bill-to or ship-to is allowed. CAUTION, this will override every bill to or ship to for every location in the SDQ segment(s). For example, when the customer is instructing the supplier to package goods for cross docking, one iteration of the N1 segment, with N101 containing code ST, may be used to indicate the ship-to location. The ship-to location overrides the ship to that is normally associated with the locations identified in the SDQ segment(s).

For direct-to-consumer orders, there must be at least one occurrence of the N1 segment to identify the retailer.

When N101 is to identify a customer of the retailer (direct to consumer), use code MA or OB, then N103 and N104 are not required.

When a direct-to-consumer purchase order contains multiple ship-to locations, the N1 loop in the detail area is used to identify the ship-to locations.

## Element Summary:

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

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

**Code List Summary** (Total Codes: 1538, Included: 9)

### Code Name

BS	Bill and Ship To
BT	Bill-to-Party
FR	Message From
MA	Party for whom Item is Ultimately Intended
SE	Selling Party
SF	Ship From
ST	Ship To
SU	Supplier/Manufacturer

### **User Note 1:**

Ultimate receiver

	<b>Code</b>	<b>Name</b>				
		TO	Message To			
N102	93	<b>Name</b>		X	AN	1/60 Used
		<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: 259, Included: 7)				
		<b>Code</b>	<b>Name</b>			
		1	D-U-N-S Number, Dun & Bradstreet			
			<b>User Note 1:</b> See External Code Source 16.			
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix			
			<b>User Note 1:</b> See External Code Source 16.			
		21	Health Industry Number (HIN)			
			<b>User Note 1:</b> See External Code Source 121.			
		91	Assigned by Seller or Seller's Agent			
		92	Assigned by Buyer or Buyer's Agent			
		UL	Global Location Number (GLN)			
			<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>User Note 1:</b> See External Code Source 583.			
		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>User Note 1:</b> This is the location code as defined by N103. The location code may be a formal number, e.g., GLN, or it may be assigned by either the buyer or seller. The location refers to a store, warehouse, distribution center, plant, etc. Location codes are used to alleviate the need to send complete names and addresses.				

**Syntax Rules:**

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

**Comments:**

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2. N105 and N106 further define the type of entity in N101.

# N2 Additional Name Information

Pos: 3100	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

<b>Pos: 3200</b>	<b>Max: 2</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 2</b>

**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: 3300	Max: 1
Heading - Optional	
Loop: N1	Elements: 5

**User Option (Usage):** Used**Purpose:** To specify the geographic place of the named party**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the Standard State/Province as defined by appropriate government agency				
		<b>User Note 1:</b> See External Code Source 22.				
N403	116	<b>Postal Code</b>	X	ID	3/15	Used
		<b>Description:</b> Code specifying international postal zone code excluding punctuation and blanks (zip code for United States)				
		<b>User Note 1:</b> See External Code Source 51.				
N404	26	<b>Country Code</b>	X	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
		<b>User Note 1:</b> See External Code Source 5.				
		<b>User Note 2:</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.

# Loop Baseline Item Data

Pos: 0100	Repeat: >1
Optional	
Loop: PO1	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify basic and most frequently used line item data

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	PO1	Baseline Item Data	O	1		Used
0400	CTP	Pricing Information	O	>1		Used
0900	PO4	Item Physical Details	O	>1		Used
1300		Loop SAC	O		>1	Used
1900	SDQ	Destination Quantity	O	>1		Used
2700		Loop ACK	O		104	Used
3700		Loop N1	O		200	Used
4900		Loop SLN	O		1000	Used

# PO1 Baseline Item Data

Pos: 0100	Max: 1
Detail - Optional	
Loop: PO1	Elements: 17

**User Option (Usage):** Used

**Purpose:** To specify basic and most frequently used line item data

## 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>
PO101	350	<b>Assigned Identification</b>	O	AN	1/20	Used

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

PO102	380	<b>Quantity</b>	X	R	1/15	Used
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**Description:** Numeric value of quantity

PO103	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Must use
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**Code List Summary** (Total Codes: 925, Included: 15)

**Code Name**

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

PO104	212	<b>Unit Price</b>	X	R	1/17	Used
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**Description:** Price per unit of product, service, commodity, etc.

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

To indicate a no charge item or free goods, PO104 will contain a single zero (0) and PO105 will contains code NC.

**User Note 2:** Used by the Canadian Rx (Pharmaceutical Industry ONLY). All others specify price using the CTP segment instead.

PO105	639	<b>Basis of Unit Price Code</b>	O	ID	2/2	Used
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**Description:** Code identifying the type of unit price for an item

**User Note 1:** This data element is used to clarify or alter the basis of unit price. The



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		unit price expressed in PO104 is always in the same terms as the unit of measure in PO103, unless otherwise specified in PO105.				
		<b>Code List Summary</b> (Total Codes: 101, Included: 13)				
		<b>Code</b>	<b>Name</b>			
		LD	Catalog Price per Dozen			
		LE	Catalog Price per Each			
		NC	No Charge			
		PO	Price per Ounce			
		PP	Price per Pound			
		PR	Promotion			
		QT	Quoted			
		RD	Retail Price per Dozen			
		RE	Retail Price per Each			
		TD	Contract Price per Dozen			
		TE	Contract Price per Each			
		WD	Wholesale Price per Dozen			
		WE	Wholesale Price per Each			
PO106	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 6)				
		<b>Code</b>	<b>Name</b>			
		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			
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.				
		Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.				
		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			
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.				

**Code Name**

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

PO107	234	<b>Product/Service ID</b>	X	AN	1/80	Used
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**Description:** Identifying number for a product or service

PO108	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

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

**Code Name**

AG Age

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

BC Supplier Brand Code

BL Brand/Label

BO Buyers Color

BV Beverage Common Code

**User Note 1:**

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

CG Commodity Grouping

CH Country of Origin Code

CM National Retail Federation Color Code

**User Note 1:**

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

CN Commodity Name

EN GTIN-13

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

EO GTIN-8

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

FV Drug Identification Number (DIN)

IB International Standard Book Number (ISBN)

IN Buyer's Item Number

**User Note 1:**

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

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

IS International Standard Serial Number (ISSN)

IT Buyer's Style Number

IZ Buyer's Size Code

**Code Name**

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

**User Note 1:**

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

SZ	Vendor Alphanumeric Size Code
UC	Product Variant

**User Note 1:**

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

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

UP	GTIN-12
----	---------

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

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

**User Note 1:**

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

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

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

PO109	234	<b>Product/Service ID</b>	X	AN	1/80	Used
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**Description:** Identifying number for a product or service

PO110	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

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

**Code Name**

AG	Age
	<b>Description:</b> The period during which, after distillation and before bottling, distilled spirits have been stored in oak containers
BC	Supplier Brand Code

**Code Name**

BL Brand/Label  
BO Buyers Color  
BV Beverage Common Code

**User Note 1:**

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

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

**User Note 1:**

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

CN Commodity Name  
EN GTIN-13

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

EO GTIN-8

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

FV Drug Identification Number (DIN)  
IB International Standard Book Number (ISBN)  
IN Buyer's Item Number

**User Note 1:**

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

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

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

**User Note 1:**

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

SZ Vendor Alphanumeric Size Code  
UC Product Variant

**User Note 1:**

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

UK GTIN-14

**Code Name**

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

UP GTIN-12

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

VA Vendor's Style Number

VE Vendor Color

VN Vendor's (Seller's) Item Number

**User Note 1:**

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

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

VT Vintage

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

PO111	234	<b>Product/Service ID</b>	X	AN	1/80	Used
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**Description:** Identifying number for a product or service

PO112	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

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

AG Age

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

BC Supplier Brand Code

BL Brand/Label

BO Buyers Color

BV Beverage Common Code

**User Note 1:**

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

CG Commodity Grouping

CH Country of Origin Code

CM National Retail Federation Color Code

**User Note 1:**

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

CN Commodity Name

EN GTIN-13

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

**Code Name**

EO GTIN-8

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

FV Drug Identification Number (DIN)

IB International Standard Book Number (ISBN)

IN Buyer's Item Number

**User Note 1:**

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

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

IS International Standard Serial Number (ISSN)

IT Buyer's Style Number

IZ Buyer's Size Code

LT Lot Number

MN Model Number

ND National Drug Code (NDC)

P8 Retail Price Look Up Number (PLU)

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

SM National Retail Federation Size Code

**User Note 1:**

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

SZ Vendor Alphanumeric Size Code

UC Product Variant

**User Note 1:**

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

UK GTIN-14

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

UP GTIN-12

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

VA Vendor's Style Number

VE Vendor Color

VN Vendor's (Seller's) Item Number

**User Note 1:**

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

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

VT Vintage

**Code Name**

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

PO113	234	<b>Product/Service ID</b>	X	AN	1/80	Used
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**Description:** Identifying number for a product or service

PO114	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

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

AG Age

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

BC Supplier Brand Code

BL Brand/Label

BO Buyers Color

BV Beverage Common Code

**User Note 1:**

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

CG Commodity Grouping

CH Country of Origin Code

CM National Retail Federation Color Code

**User Note 1:**

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

CN Commodity Name

EN GTIN-13

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

EO GTIN-8

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

FV Drug Identification Number (DIN)

IB International Standard Book Number (ISBN)

IN Buyer's Item Number

**User Note 1:**

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

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

IS International Standard Serial Number (ISSN)

IT Buyer's Style Number

IZ Buyer's Size Code

LT Lot Number

**Code Name**

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

**User Note 1:**

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

SZ	Vendor Alphanumeric Size Code
UC	Product Variant

**User Note 1:**

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

UK	GTIN-14
----	---------

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

UP	GTIN-12
----	---------

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

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

**User Note 1:**

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

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

VT	Vintage
----	---------

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

PO115	234	<b>Product/Service ID</b>	X	AN	1/80	Used
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**Description:** Identifying number for a product or service

PO116	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

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

**Code Name**

AG	Age	<b>Description:</b> The period during which, after distillation and before bottling, distilled spirits have been stored in oak containers
BC	Supplier Brand Code	
BL	Brand/Label	



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

**Code Name**

		Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items
UP	GTIN-12	<b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items
VA	Vendor's Style Number	
VE	Vendor Color	
VN	Vendor's (Seller's) Item Number	
		<b>User Note 1:</b> Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.  Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.
VT	Vintage	<b>Description:</b> The harvest year of the grapes that are part of the composition of a particular wine

PO117	234	<b>Product/Service ID</b>	X	AN	1/80	Used
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**Description:** Identifying number for a product or service

**Syntax Rules:**

1. C0302 - If PO103 is present, then PO102 is required.
2. C0504 - If PO105 is present, then PO104 is required.
3. P0607 - If either PO106 or PO107 is present, then the other is required.
4. P0809 - If either PO108 or PO109 is present, then the other is required.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

**Semantics:**

1. PO102 is quantity ordered.

**Comments:**

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., ISBN No., Model No., or SKU.

# CTP Pricing Information

Pos: 0400	Max: >1
Detail - Optional	
Loop: PO1	Elements: 5

**User Option (Usage):** Used

**Purpose:** To specify pricing information

## Element Summary:

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

**Description:** Code indicating class of trade

**Code List Summary** (Total Codes: 68, Included: 5)

**Code Name**

AG	Agent
BG	Buying Group
DE	Dealer
DI	Distributor
RS	Resale

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

**Code List Summary** (Total Codes: 194, Included: 2)

**Code Name**

OPP	Original Purchase Order Price
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**User Note 1:**

Original unit price

UCP	Unit cost price
-----	-----------------

**User Note 1:**

Item list cost

**User Note 2:**

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

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

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

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

CTP04	380	<b>Quantity</b>	X	R	1/15	Used
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**Description:** Numeric value of quantity

CTP05	C001	<b>Composite Unit of Measure</b>	X	Comp		Used
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**Description:** To identify a composite unit of measure

(See Figures Appendix for examples of use)

**Comments:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		1. If C001-02 is not used, its value is to be interpreted as 1. 2. If C001-03 is not used, its value is to be interpreted as 1. 3. If C001-05 is not used, its value is to be interpreted as 1. 4. If C001-06 is not used, its value is to be interpreted as 1. 5. If C001-08 is not used, its value is to be interpreted as 1. 6. If C001-09 is not used, its value is to be interpreted as 1. 7. If C001-11 is not used, its value is to be interpreted as 1. 8. If C001-12 is not used, its value is to be interpreted as 1. 9. If C001-14 is not used, its value is to be interpreted as 1. 10. If C001-15 is not used, its value is to be interpreted as 1.				
CTP05-01	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>Code List Summary</b> (Total Codes: 925, Included: 15)				
		<b><u>Code</u></b>	<b><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			

**Syntax Rules:**

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

**Semantics:**

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

**Comments:**

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

# PO4 Item Physical Details

Pos: 0900      Max: >1  
 Detail - Optional  
 Loop: PO1      Elements: 3

**User Option (Usage):** Used

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

## User Note 1:

This segment is used to specify the packaging of the item in the case or carton. There may be two levels of packaging specified. The first level is always specified by using PO401 (Pack).

The first level may be actual items, e.g., consumer units, or it may be the number of smaller containers within the case. The second level, specified using PO414 (Inner Pack), is the number of eaches in each inner container when PO401 is the number of smaller containers within the case. See Section Pack/Inner 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:

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

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

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

PO403	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**Code List Summary** (Total Codes: 925, Included: 15)

<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
RL	Roll

## Syntax Rules:

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

### **Semantics:**

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

### **Comments:**

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

# Loop Service, Promotion, Allowance, or Charge Information

Pos: 1300	Repeat: >1
Optional	
Loop: SAC	Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 1300	Max: 1
Detail - Optional	
Loop: SAC	Elements: 12

**User Option (Usage):** Used

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

## User Note 1:

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	<b>Allowance or Charge Indicator Code</b>	M	ID	1/1	Must use

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

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

**Code Name**

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

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

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

**Code Name**

A170	Adjustments
A172	Administrative
B860	Customs Broker Fee
B870	Customs Charge
B872	Customs Duty
C030	Delivery Surcharge
C040	Delivery
C310	Discount
C350	Distributor Discount/Allowance
C510	Dry Ice
CONC	Container Charge
D170	Free Goods
D240	Freight
D260	Fuel Charge





<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		system calculations of amounts, i.e., rounding errors when allowances or charges are expressed in percentages or rates.				
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated				
		<b>Code List Summary</b> (Total Codes: 16, Included: 7)				
		<b>Code</b>		<b>Name</b>		
		1		Item List Cost		
		2		Item Net Cost		
		3		Discount/Gross		
		<b>User Note 1:</b>				
		All allowances are off the gross price including cash discount.				
		4		Discount/Net		
		<b>User Note 1:</b>				
		All allowances are off the gross price. Cash discounts are off the net price.				
		5		Base Price per Unit		
		<b>User Note 1:</b>				
		Line item discount				
		6		Base Price Amount		
		7		Base Price Amount Less Previous Discount		
		<b>User Note 1:</b>				
		Declining balance method				
SAC07	332	<b>Percent, Decimal Format</b>	X	R	1/6	Used
		<b>Description:</b> Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)				
		<b>User Note 1:</b> The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".				
SAC08	118	<b>Rate</b>	O	R	1/9	Used
		<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified				
SAC09	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>Code List Summary</b> (Total Codes: 925, Included: 15)				
		<b>Code</b>		<b>Name</b>		
		BA		Bale		
		BG		Bag		
		BO		Bottle		
		BX		Box		
		CA		Case		
		CN		Can		
		CT		Carton		
		DS		Display		
		DZ		Dozen		

**Code Name**

EA Each  
 KG Kilogram  
 LB Pound  
 PK Package  
 PL Pallet/Unit Load  
 RL Roll

SAC10 380 **Quantity** X R 1/15 Used

**Description:** Numeric value of quantity

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

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

SAC12 331 **Allowance or Charge Method of Handling Code** O ID 2/2 Used

**Description:** Code indicating method of handling for an allowance or charge

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

**Code Name**

01 Bill Back

**User Note 1:**

The allowance or charge amount will be adjudicated as a separate item, i.e., a debit/credit memo or a separate invoice. The amount will not be reflected in the invoice total amount.

02 Off Invoice

**User Note 1:**

The allowance or charge amount will be reflected in the total transaction amount, e.g., Total Invoice Amount = Merchandise Price + Charges - Allowances.

03 Vendor Check to Customer

**User Note 1:**

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

04 Credit Customer Account

**User Note 1:**

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

05 Charge to be Paid by Vendor

**User Note 1:**

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

06 Charge to be Paid by Customer

**User Note 1:**

When the order/item is a direct ship to the customer, or end consumer of the retailer, the allowance or charge amount is the responsibility of the

**Code Name**

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

SAC13	127	<b>Reference Identification</b>	X	AN	1/80	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SAC15	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
SAC16	819	<b>Language Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code specifying the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				
		<b>User Note 1:</b> See External Code Source 102 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.

# SDQ Destination Quantity

Pos: 1900	Max: >1
Detail - Optional	
Loop: PO1	Elements: 22

**User Option (Usage):** Used

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

## User Note 1:

This segment is used to distribute the line item quantity to various locations. SDQ02 serves the same purpose as N103, and all occurrences of Data Element 67 in this segment function as N104. The SDQ segment functions as an N1 segment containing code BY in N101, that is, the SDQ segment specifies various buying locations. The N1 segment, in the basic order, specifies only one location.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use

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

**Code List Summary** (Total Codes: 925, Included: 15)

<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
RL	Roll

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

**Code List Summary** (Total Codes: 259, Included: 7)

<u>Code</u>	<u>Name</u>
1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix

**User Note 1:**

See External Code Source 16.

**User Note 1:**

See External Code Source 16.

<u>Code</u>	<u>Name</u>					
21	Health Industry Number (HIN)					
	<b>User Note 1:</b>					
	See External Code Source 121.					
91	Assigned by Seller or Seller's Agent					
92	Assigned by Buyer or Buyer's Agent					
UL	Global Location Number (GLN)					
	<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>User Note 1:</b>					
	See External Code Source 583.					
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					
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				
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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Numeric value of quantity				
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 Line Item Acknowledgment

Pos: 2700	Repeat: 104
Optional	
Loop: ACK	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item

## 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>
2700	ACK	Line Item Acknowledgment	O	1		Used



# ACK Line Item Acknowledgment

Pos: 2700	Max: 1
Detail - Optional	
Loop: ACK	Elements: 13

**User Option (Usage):** Used**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item**User Note 1:**

This segment may be used to indicate that a line item has been accepted, deleted, or changed. Some product production cycles, such as furniture, are long and may have different ship dates than the original purchase order. This segment may be used to inform the originator of the current ship date or that no ship date has been scheduled.

The codes listed for ACK07 apply to every occurrence of Data Element 235 in the ACK segment.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ACK01	668	Line Item Status Code	M	ID	2/2	Must use

**Description:** Code specifying the action taken by the seller on a line item requested by the buyer

**Code List Summary** (Total Codes: 26, Included: 7)

**Code Name**

IA	Item Accepted
IC	Item Accepted - Changes Made
ID	Item Deleted
<b>User Note 1:</b>	
Cancellation of a line item	
IE	Item Accepted, Price Pending
IH	Item on Hold
IP	Item Accepted - Price Changed
IR	Item Rejected

ACK02	380	Quantity	X	R	1/15	Used
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**Description:** Numeric value of quantity

**User Note 1:** Quantity which the change affects, i.e., the quantity that applies to the dates sent in ACK04 and ACK05

ACK03	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**Code List Summary** (Total Codes: 925, Included: 15)

**Code Name**

BA	Bale
BG	Bag
BO	Bottle
BX	Box
CA	Case
CN	Can
CT	Carton

**Code Name**

DS Display  
 DZ Dozen  
 EA Each  
 KG Kilogram  
 LB Pound  
 PK Package  
 PL Pallet/Unit Load  
 RL Roll

ACK04 374 **Date/Time Qualifier** O ID 3/3 Used

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

**Code List Summary** (Total Codes: 1343, Included: 2)

**Code Name**

068 Current Schedule Ship  
 100 No Shipping Schedule Established as of

ACK05 373 **Date** X DT 8/8 Used

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

ACK07 235 **Product/Service ID Qualifier** X ID 2/2 Used

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

**Code List Summary** (Total Codes: 564, Included: 6)

**Code Name**

EN GTIN-13

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

EO GTIN-8

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

IN Buyer's Item Number

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

**User Note 1:**

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

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

ACK08 234 **Product/Service ID** X AN 1/80 Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
ACK09	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 6)				
		<b>Code</b>	<b>Name</b>			
		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			
		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			
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product.				
		Canadian Trading Partners who do not have a Company Prefix, contact GS1 Canada.				
ACK10	234	<b>Product/Service ID</b>	X	AN	1/80	Used
		<b>Description:</b> Identifying number for a product or service				
ACK11	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 6)				
		<b>Code</b>	<b>Name</b>			
		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			
		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				

**Code Name**

identify trade items

UP GTIN-12

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

VN Vendor's (Seller's) Item Number

**User Note 1:**

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

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

ACK12 234 **Product/Service ID** X AN 1/80 Used**Description:** Identifying number for a product or serviceACK13 235 **Product/Service ID Qualifier** X ID 2/2 Used**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)**Code List Summary** (Total Codes: 564, Included: 6)**Code Name**

EN GTIN-13

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

EO GTIN-8

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

IN Buyer's Item Number

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

**User Note 1:**

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

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

ACK14 234 **Product/Service ID** X AN 1/80 Used**Description:** Identifying number for a product or service**Syntax Rules:**

1. P0203 - If either ACK02 or ACK03 is present, then the other is required.
2. C0405 - If ACK04 is present, then ACK05 is required.

3. P0708 - If either ACK07 or ACK08 is present, then the other is required.
4. P0910 - If either ACK09 or ACK10 is present, then the other is required.
5. P1112 - If either ACK11 or ACK12 is present, then the other is required.
6. P1314 - If either ACK13 or ACK14 is present, then the other is required.
7. P1516 - If either ACK15 or ACK16 is present, then the other is required.
8. P1718 - If either ACK17 or ACK18 is present, then the other is required.
9. P1920 - If either ACK19 or ACK20 is present, then the other is required.
10. P2122 - If either ACK21 or ACK22 is present, then the other is required.
11. P2324 - If either ACK23 or ACK24 is present, then the other is required.
12. P2526 - If either ACK25 or ACK26 is present, then the other is required.
13. P2728 - If either ACK27 or ACK28 is present, then the other is required.
14. C282729 - If ACK28 is present, then ACK27 and ACK29 are required.

### **Semantics:**

1. ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

# Loop Party Identification

<b>Pos: 3700</b>	<b>Repeat: 200</b>
<b>Optional</b>	
<b>Loop: N1</b>	<b>Elements: N/A</b>

**User Option (Usage):** Used

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

## User Note 1:

There can be only one iteration of the N1 loop in the detail area for each PO1 segment.

## 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>
3700	N1	Party Identification	O	1		Used
3800	N2	Additional Name Information	O	2		Used
3900	N3	Party Location	O	2		Used
4000	N4	Geographic Location	O	1		Used

# N1 Party Identification

Pos: 3700	Max: 1
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used**Purpose:** To identify a party by type of organization, name, and code**User Note 1:**

There can be only one iteration of the N1 loop in the detail area for each PO1 segment.

**Element Summary:**

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

**Description:** Code identifying an organizational entity, a physical location, property or an individual**Code List Summary** (Total Codes: 1538, Included: 2)**Code Name**

CN Consignee

MA Party for whom Item is Ultimately Intended

N102	93	<b>Name</b>	X	AN	1/60	Must use
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**Description:** Free-form name**Syntax Rules:**

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

**Comments:**

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

# N2 Additional Name Information

Pos: 3800	Max: 2
Detail - 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

<b>Pos: 3900</b>	<b>Max: 2</b>
<b>Detail - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 2</b>

**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: 4000	Max: 1
Detail - Optional	
Loop: N1	Elements: 5

**User Option (Usage):** Used**Purpose:** To specify the geographic place of the named party**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the Standard State/Province as defined by appropriate government agency				
		<b>User Note 1:</b> See External Code Source 22.				
N403	116	<b>Postal Code</b>	X	ID	3/15	Used
		<b>Description:</b> Code specifying international postal zone code excluding punctuation and blanks (zip code for United States)				
		<b>User Note 1:</b> See External Code Source 51.				
N404	26	<b>Country Code</b>	X	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
		<b>User Note 1:</b> See External Code Source 5.				
		<b>User Note 2:</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.

# Loop Subline Item Detail

Pos: 4900	Repeat: 1000
Optional	
Loop: SLN	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify product subline detail item data

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
4900	SLN	Subline Item Detail	O	1		Used

# SLN Subline Item Detail

Pos: 4900	Max: 1
Detail - Optional	
Loop: SLN	Elements: 26

**User Option (Usage):** Used

**Purpose:** To specify product subline detail item data

## User Note 1:

This segment can be used to specify the originally ordered GTIN for substituted GTINs. This segment can also be used to specify GTIN contents of an assortment. The assortment can be defined by the retailer or the vendor. The assortment identification is in the line item detail segment for the transaction. This segment may be used to specify partial deletions of GTINs ordered but not invoiced and/or shipped.

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN01	350	<b>Assigned Identification</b>	M	AN	1/20	Must use
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set						
SLN03	662	<b>Relationship Code</b>	M	ID	1/1	Must use
<b>Description:</b> Code indicating the relationship between entities						
<b>Code List Summary</b> (Total Codes: 6, Included: 3)						
		<u>Code</u> <u>Name</u>				
		D Delete				
		I Included				
		S Substituted				
SLN04	380	<b>Quantity</b>	X	R	1/15	Used
<b>Description:</b> Numeric value of quantity						
SLN05	C001	<b>Composite Unit of Measure</b>	X	Comp		Used
<b>Description:</b> To identify a composite unit of measure						
(See Figures Appendix for examples of use)						
<b>Comments:</b>						
1. If C001-02 is not used, its value is to be interpreted as 1.						
2. If C001-03 is not used, its value is to be interpreted as 1.						
3. If C001-05 is not used, its value is to be interpreted as 1.						
4. If C001-06 is not used, its value is to be interpreted as 1.						
5. If C001-08 is not used, its value is to be interpreted as 1.						
6. If C001-09 is not used, its value is to be interpreted as 1.						
7. If C001-11 is not used, its value is to be interpreted as 1.						
8. If C001-12 is not used, its value is to be interpreted as 1.						
9. If C001-14 is not used, its value is to be interpreted as 1.						
10. If C001-15 is not used, its value is to be interpreted as 1.						
SLN05-01	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**Code List Summary** (Total Codes: 925, Included: 15)

**Code Name**

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

SLN06	212	<b>Unit Price</b>	X	R	1/17	Used
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**Description:** Price per unit of product, service, commodity, etc.

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

To indicate a no charge item or free goods, SLN06 will contain a single zero (0) and SLN07 will contain code NC.

SLN07	639	<b>Basis of Unit Price Code</b>	O	ID	2/2	Used
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**Description:** Code identifying the type of unit price for an item

**User Note 1:** This data element is used to clarify or alter the basis of unit price. The unit price expressed in SLN06 is always in the same terms as the unit of measure in SLN05, unless otherwise specified in SLN07.

**Code List Summary** (Total Codes: 101, Included: 13)

**Code Name**

LD	Catalog Price per Dozen
LE	Catalog Price per Each
NC	No Charge
PO	Price per Ounce
PP	Price per Pound
PR	Promotion
QT	Quoted
RD	Retail Price per Dozen
RE	Retail Price per Each
TD	Contract Price per Dozen
TE	Contract Price per Each
WD	Wholesale Price per Dozen

		<u>Code</u>	<u>Name</u>				
		WE	Wholesale Price per Each				
SLN09	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)							
<b>Code List Summary</b> (Total Codes: 564, Included: 18)							
		<u>Code</u>	<u>Name</u>				
		BO	Buyers Color				
		CA	Case				
		CG	Commodity Grouping				
		CM	National Retail Federation Color Code				
<b>User Note 1:</b>							
This is the three-digit NRF Color code. See External Code Source 88.							
		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							
		IB	International Standard Book Number (ISBN)				
		IN	Buyer's Item Number				
		IT	Buyer's Style Number				
		IZ	Buyer's Size Code				
		P8	Retail Price Look Up Number (PLU)				
		SM	National Retail Federation Size Code				
<b>User Note 1:</b>							
This is the five-digit NRF Size code. See External Code Source 88.							
		SZ	Vendor Alphanumeric Size Code				
		UK	GTIN-14				
<b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items							
		UP	GTIN-12				
<b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items							
		VA	Vendor's Style Number				
		VE	Vendor Color				
		VN	Vendor's (Seller's) Item Number				
<b>User Note 1:</b>							
Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.							
SLN10	234	<b>Product/Service ID</b>		X	AN	1/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
SLN11	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 18)				
		<b>Code Name</b>				
		BO Buyers Color				
		CA Case				
		CG Commodity Grouping				
		CM National Retail Federation Color Code				
		<b>User Note 1:</b>				
		This is the three-digit NRF Color code. See External Code Source 88.				
		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				
		IB International Standard Book Number (ISBN)				
		IN Buyer's Item Number				
		IT Buyer's Style Number				
		IZ Buyer's Size Code				
		P8 Retail Price Look Up Number (PLU)				
		SM National Retail Federation Size Code				
		<b>User Note 1:</b>				
		This is the five-digit NRF Size code. See External Code Source 88.				
		SZ Vendor Alphanumeric Size Code				
		UK GTIN-14				
		<b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items				
		UP GTIN-12				
		<b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items				
		VA Vendor's Style Number				
		VE Vendor Color				
		VN Vendor's (Seller's) Item Number				
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.				
SLN12	234	<b>Product/Service ID</b>	X	AN	1/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
SLN13	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 18)				
		<b>Code Name</b>				
		BO Buyers Color				
		CA Case				
		CG Commodity Grouping				
		CM National Retail Federation Color Code				
		<b>User Note 1:</b>				
		This is the three-digit NRF Color code. See External Code Source 88.				
		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				
		IB International Standard Book Number (ISBN)				
		IN Buyer's Item Number				
		IT Buyer's Style Number				
		IZ Buyer's Size Code				
		P8 Retail Price Look Up Number (PLU)				
		SM National Retail Federation Size Code				
		<b>User Note 1:</b>				
		This is the five-digit NRF Size code. See External Code Source 88.				
		SZ Vendor Alphanumeric Size Code				
		UK GTIN-14				
		<b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items				
		UP GTIN-12				
		<b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items				
		VA Vendor's Style Number				
		VE Vendor Color				
		VN Vendor's (Seller's) Item Number				
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.				
SLN14	234	<b>Product/Service ID</b>	X	AN	1/80	Used



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
SLN15	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 18)				
		<b>Code Name</b>				
		BO Buyers Color				
		CA Case				
		CG Commodity Grouping				
		CM National Retail Federation Color Code				
		<b>User Note 1:</b>				
		This is the three-digit NRF Color code. See External Code Source 88.				
		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				
		IB International Standard Book Number (ISBN)				
		IN Buyer's Item Number				
		IT Buyer's Style Number				
		IZ Buyer's Size Code				
		P8 Retail Price Look Up Number (PLU)				
		SM National Retail Federation Size Code				
		<b>User Note 1:</b>				
		This is the five-digit NRF Size code. See External Code Source 88.				
		SZ Vendor Alphanumeric Size Code				
		UK GTIN-14				
		<b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items				
		UP GTIN-12				
		<b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items				
		VA Vendor's Style Number				
		VE Vendor Color				
		VN Vendor's (Seller's) Item Number				
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.				
SLN16	234	<b>Product/Service ID</b>	X	AN	1/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
SLN17	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 18)				
		<b>Code Name</b>				
		BO Buyers Color				
		CA Case				
		CG Commodity Grouping				
		CM National Retail Federation Color Code				
		<b>User Note 1:</b>				
		This is the three-digit NRF Color code. See External Code Source 88.				
		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				
		IB International Standard Book Number (ISBN)				
		IN Buyer's Item Number				
		IT Buyer's Style Number				
		IZ Buyer's Size Code				
		P8 Retail Price Look Up Number (PLU)				
		SM National Retail Federation Size Code				
		<b>User Note 1:</b>				
		This is the five-digit NRF Size code. See External Code Source 88.				
		SZ Vendor Alphanumeric Size Code				
		UK GTIN-14				
		<b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items				
		UP GTIN-12				
		<b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items				
		VA Vendor's Style Number				
		VE Vendor Color				
		VN Vendor's (Seller's) Item Number				
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.				
SLN18	234	<b>Product/Service ID</b>	X	AN	1/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
SLN19	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 18)				
		<b>Code Name</b>				
		BO Buyers Color				
		CA Case				
		CG Commodity Grouping				
		CM National Retail Federation Color Code				
		<b>User Note 1:</b>				
		This is the three-digit NRF Color code. See External Code Source 88.				
		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				
		IB International Standard Book Number (ISBN)				
		IN Buyer's Item Number				
		IT Buyer's Style Number				
		IZ Buyer's Size Code				
		P8 Retail Price Look Up Number (PLU)				
		SM National Retail Federation Size Code				
		<b>User Note 1:</b>				
		This is the five-digit NRF Size code. See External Code Source 88.				
		SZ Vendor Alphanumeric Size Code				
		UK GTIN-14				
		<b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items				
		UP GTIN-12				
		<b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items				
		VA Vendor's Style Number				
		VE Vendor Color				
		VN Vendor's (Seller's) Item Number				
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.				
SLN20	234	<b>Product/Service ID</b>	X	AN	1/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
SLN21	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 18)				
		<b>Code Name</b>				
		BO Buyers Color				
		CA Case				
		CG Commodity Grouping				
		CM National Retail Federation Color Code				
		<b>User Note 1:</b>				
		This is the three-digit NRF Color code. See External Code Source 88.				
		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				
		IB International Standard Book Number (ISBN)				
		IN Buyer's Item Number				
		IT Buyer's Style Number				
		IZ Buyer's Size Code				
		P8 Retail Price Look Up Number (PLU)				
		SM National Retail Federation Size Code				
		<b>User Note 1:</b>				
		This is the five-digit NRF Size code. See External Code Source 88.				
		SZ Vendor Alphanumeric Size Code				
		UK GTIN-14				
		<b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items				
		UP GTIN-12				
		<b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items				
		VA Vendor's Style Number				
		VE Vendor Color				
		VN Vendor's (Seller's) Item Number				
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.				
SLN22	234	<b>Product/Service ID</b>	X	AN	1/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
SLN23	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 18)				
		<b>Code Name</b>				
		BO Buyers Color				
		CA Case				
		CG Commodity Grouping				
		CM National Retail Federation Color Code				
		<b>User Note 1:</b>				
		This is the three-digit NRF Color code. See External Code Source 88.				
		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				
		IB International Standard Book Number (ISBN)				
		IN Buyer's Item Number				
		IT Buyer's Style Number				
		IZ Buyer's Size Code				
		P8 Retail Price Look Up Number (PLU)				
		SM National Retail Federation Size Code				
		<b>User Note 1:</b>				
		This is the five-digit NRF Size code. See External Code Source 88.				
		SZ Vendor Alphanumeric Size Code				
		UK GTIN-14				
		<b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items				
		UP GTIN-12				
		<b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items				
		VA Vendor's Style Number				
		VE Vendor Color				
		VN Vendor's (Seller's) Item Number				
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.				
SLN24	234	<b>Product/Service ID</b>	X	AN	1/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
SLN25	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 18)				
		<b>Code Name</b>				
		BO Buyers Color				
		CA Case				
		CG Commodity Grouping				
		CM National Retail Federation Color Code				
		<b>User Note 1:</b>				
		This is the three-digit NRF Color code. See External Code Source 88.				
		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				
		IB International Standard Book Number (ISBN)				
		IN Buyer's Item Number				
		IT Buyer's Style Number				
		IZ Buyer's Size Code				
		P8 Retail Price Look Up Number (PLU)				
		SM National Retail Federation Size Code				
		<b>User Note 1:</b>				
		This is the five-digit NRF Size code. See External Code Source 88.				
		SZ Vendor Alphanumeric Size Code				
		UK GTIN-14				
		<b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items				
		UP GTIN-12				
		<b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items				
		VA Vendor's Style Number				
		VE Vendor Color				
		VN Vendor's (Seller's) Item Number				
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.				
SLN26	234	<b>Product/Service ID</b>	X	AN	1/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Identifying number for a product or service				
SLN27	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)				
		<b>Code List Summary</b> (Total Codes: 564, Included: 18)				
		<b>Code Name</b>				
		BO Buyers Color				
		CA Case				
		CG Commodity Grouping				
		CM National Retail Federation Color Code				
		<b>User Note 1:</b>				
		This is the three-digit NRF Color code. See External Code Source 88.				
		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				
		IB International Standard Book Number (ISBN)				
		IN Buyer's Item Number				
		IT Buyer's Style Number				
		IZ Buyer's Size Code				
		P8 Retail Price Look Up Number (PLU)				
		SM National Retail Federation Size Code				
		<b>User Note 1:</b>				
		This is the five-digit NRF Size code. See External Code Source 88.				
		SZ Vendor Alphanumeric Size Code				
		UK GTIN-14				
		<b>Description:</b> A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items				
		UP GTIN-12				
		<b>Description:</b> A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items				
		VA Vendor's Style Number				
		VE Vendor Color				
		VN Vendor's (Seller's) Item Number				
		<b>User Note 1:</b>				
		Trading partners are strongly encouraged to use GTIN as the only method of positively and unambiguously identifying a product. Canadian Trading Partners who do not have a GS1 Company Prefix, contact GS1 Canada.				
SLN28	234	<b>Product/Service ID</b>	X	AN	1/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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**Description:** Identifying number for a product or service

### Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. C0706 - If SLN07 is present, then SLN06 is required.
3. C0806 - If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

### Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

### Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., ISBN No., Model No., or SKU.



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# Loop Transaction Totals

Pos: 0100	Repeat: 1
Optional	
Loop: CTT	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To transmit a hash total for a specific element in the transaction set

## 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	CTT	Transaction Totals	O	1		Used

# CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: CTT	Elements: 1

**User Option (Usage):** Used

**Purpose:** To transmit a hash total for a specific element in the transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use

**Description:** Total number of line items in the transaction set

**User Note 1:** The number of PO1 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: 0300	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Must use

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

SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

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

## Comments:

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