

# 855 Purchase Order Acknowledgment Version 4010

Functional Group ID=**PR**

## Introduction:

This Draft Standard for Trial Use 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.

## Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
	080	FOB	F.O.B. Related Instructions	O	>1		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
	270	MAN	Marks and Numbers	O	10		
	280	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
	300	N1	Name	O	1		
	320	N3	Address Information	O	2		
	330	N4	Geographic Location	O	1		

## Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - PO1						100000	
	010	PO1	Baseline Item Data	O	1		
	040	CTP	Pricing Information	O	>1		
LOOP ID - PID						1000	
	050	PID	Product/Item Description	O	>1		
	066	SCH	Line Item Schedule	O	200		
LOOP ID - ACK						104	
	270	ACK	Line Item Acknowledgment	O	1		
LOOP ID - N1						200	
	370	N1	Name	O	1		
	390	N3	Address Information	O	2		
	400	N4	Geographic Location	O	1		

## Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - CTT						1	
	010	CTT	Transaction Totals	O	1		
Must Use	030	SE	Transaction Set Trailer	M	1		

**Transaction Set Notes**

1. PO102 is required.
2. 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.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 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).  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 855 Purchase Order Acknowledgment	M ID 3/3
ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

**Segment:** **BAK** Beginning Segment for Purchase Order Acknowledgment  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

**Syntax Notes:**
**Semantic Notes:**

- 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.

**Comments:**
**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
BAK01	353	<b>Transaction Set Purpose Code</b>	M ID 2/2
		Code identifying purpose of transaction set	
		00 Original	
		04 Change	
BAK02	587	<b>Acknowledgment Type</b>	M ID 2/2
		Code specifying the type of acknowledgment	
		AC Acknowledge - With Detail and Change	
BAK03	324	<b>Purchase Order Number</b>	M AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	
BAK04	373	<b>Date</b>	M DT 8/8
		Date expressed as CCYYMMDD	
BAK05	328	<b>Release Number</b>	O AN 1/30
		Purchase Order Release Number	
BAK08	127	<b>Reference Number</b>	O AN 1/30
		Purchase Order Release Number	
BAK09	373	<b>Date</b>	O DT 8/8
		Date expressed as CCYYMMDD	

**Segment:** **FOB** F.O.B. Related Instructions  
**Position:** 080  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify transportation instructions related to shipment  
**Syntax Notes:**

- 1 C0302 - If FOB03 is present, then FOB02 is required.
- 2 C0706 - If FOB07 is present, then FOB06 is required.

**Semantic Notes:**

- 1 FOB01 indicates which party will pay the carrier.
- 2 FOB02 is the code specifying transportation responsibility location.
- 3 FOB06 is the code specifying the title passage location.

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
FOB01	146	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges	M ID 2/2
FOB02	309	<b>Location Qualifier</b> Code identifying type of location ZZ Mutually Defined	C ID 1/2
FOB03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	O AN 1/80

**Segment:** **TD5** Carrier Details (Routing Sequence/Transit Time)  
**Position:** 240  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify the carrier and sequence of routing and provide transit time information  
**Syntax Notes:**

- 1 At least one of TD502 or TD506 is required.
- 2 If TD502 is present, then TD503 is required.

**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>TD501</b>	<b>133</b>	<b>Routing Sequence Code</b> Code describing relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier	<b>O ID 1/2</b>
<b>TD504</b>	<b>91</b>	<b>Identification Code</b> Code specifying the method or type of transportation for the shipment	<b>C ID 1/2</b>
<b>TD505</b>	<b>387</b>	<b>Routing</b> Free-form description of the routing of requested routing for shipment, or the originating carrier's identity	<b>C AN 1/35</b>

**Segment:** **MAN** Marks and Numbers  
**Position:** 270  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To indicate identifying marks and numbers for shipping containers  
**Syntax Notes:**

- 1 P0405 - If either MAN04 or MAN05 is present, then the other is required.
- 2 C0605 - If MAN06 is present, then MAN05 is required.

**Semantic Notes:**

- 1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
- 2 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
- 3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

**Comments:**

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
MAN01	88	Marks and Numbers Qualifier	M ID 1/2
		Code specifying the application or source of Marks and Numbers	
		ZZ	Mutually Defined
MAN02	87	Marks and Numbers	M ID 1/45
		Marks and Numbers used to identify a shipment or parts of a shipment	

**Segment:** **PER** Administrative Communications Contact  
**Position:** 280  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed.

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
  - 2 If either PER05 or PER06 is present, then the other is required.
  - 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named BD Buyer Name or Department	M ID 2/2
PER02	93	<b>Name</b> Free-form name	C AN 1/60
PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number TE Telephone Number	C ID 2/2
PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	C AN 1/80

**Segment:** **N1** Name  
**Position:** 300  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**

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

**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N101	98	<b>Entity Identifier Code</b>	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		SF Ship From	
		ST Ship To	
N102	93	<b>Name</b>	C AN 1/60
		Free-form name	
N103	66	<b>Identification Code Qualifier</b>	C ID 1/2
		Code designating the system/method of code structure used for Identification	
		92 Assigned by Buyer or Buyer's Agent	
N104	67	<b>Identification Code</b>	C AN 2/80
		Code identifying a party or other code	

**Segment:** **N3** Address Information  
**Position:** 320  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N301	166	Address Information Address information	M AN 1/55
N302	166	Address Information Address information	O AN 1/55

**Segment:** **N4** Geographic Location  
**Position:** 330  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>N401</b>	<b>19</b>	<b>City Name</b> Free-form text for city name	<b>O AN 2/30</b>
<b>N402</b>	<b>156</b>	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>O ID 2/2</b>
<b>N403</b>	<b>116</b>	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/15</b>

- Segment:** **PO1** **Baseline Item Data**
- Position:** 010
- Loop:** PO1 Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 1
- Purpose:** To specify basic and most frequently used line item data
- Syntax Notes:**
- 1 If PO103 is present, then PO102 is required.
  - 2 If PO105 is present, then PO104 is required.
  - 3 If either PO106 or PO107 is present, then the other is required.
  - 4 If either PO108 or PO109 is present, then the other is required.
  - 5 If either PO110 or PO111 is present, then the other is required.
  - 6 If either PO112 or PO113 is present, then the other is required.
  - 7 If either PO114 or PO115 is present, then the other is required.
  - 8 If either PO116 or PO117 is present, then the other is required.
  - 9 If either PO118 or PO119 is present, then the other is required.
  - 10 If either PO120 or PO121 is present, then the other is required.
  - 11 If either PO122 or PO123 is present, then the other is required.
  - 12 If either PO124 or PO125 is present, then the other is required.
- Semantic Notes:**
- 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., U.P.C. No., ISBN No., Model No., or SKU.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PO101	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
PO102	330	<b>Quantity Ordered</b> Quantity ordered	X R 1/15
PO103	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
PO104	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	X R 1/17
PO106	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) IN Buyer's Item Number	X ID 2/2
PO107	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/30
PO108	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) VN Vendor's (Seller's) Item Number	X ID 2/2
PO109	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/30

**Segment:** **CTP Pricing Information**

**Position:** 040

**Loop:** PO1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify pricing information

**Syntax Notes:**

- 1 If either CTP04 or CTP05 are present, then the others are required
- 2 If CTP06 is present, then CTP07 is required
- 3 If CTP09 is present, then CTP02 is required
- 4 If CTP10 is present, then CTP02 is required
- 5 If CTP11 is present, then CTP02 is required

**Semantic Notes:**

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

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
CTP01	687	<b>Class of Trade Code</b> Code identifying type of trade class WS User	O ID 2/2
CTP02	236	<b>Price Identifier Code</b> Code identifying pricing specification. CUP Confirmed Unit Price	X ID 3/3
CTP03	212	<b>Unit Price</b> Price per unit of product, commodity, service, etc.	X R 2/14
CTP04	380	<b>Quantity</b> Numeric value of quantity	X R 2/15
CTP05	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X AN 2/2

- Segment:** **PID** **Product/Item Description**
- Position:** 050
- Loop:** PID Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** >1
- Purpose:** To describe a product or process in coded or free-form format
- Syntax Notes:**
- 1 If PID04 is present, then PID03 is required.
  - 2 At least one of PID04 or PID05 is required.
  - 3 If PID07 is present, then PID03 is required.
  - 4 If PID08 is present, then PID03 is required.
- Semantic Notes:**
- 1 Use PID03 to indicate the organization that publishes the code list being referred to.
  - 2 PID04 should be used for industry-specific product description codes.
  - 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item. A "N" indicates it does not apply. Any other value is indeterminate.
- Comments:**
- 1 If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "X", then both PID04 and PID05 are used.
  - 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
  - 3 PID07 specifies the individual code list of the agency specified in PID03.

#### Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
PID05	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80

**Segment:** **SCH** Line Item Schedule  
**Position:** 066  
**Loop:** PO1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 200  
**Purpose:** To specify the data for scheduling a specific line-item  
**Syntax Notes:**

- 1 If SCH03 is present, then SCH04 is required
- 2 If SCH08 is present, then at least one of SCH09 or SCH10 is required
- 3 If SCH09 or SCH10 is present, then SCH08 is required

**Semantic Notes:**

- 1 SCH12 is the schedule identification

**Comments:**

- 1 SCH05 specifies the interpretation to be used for SCH06 and SCH07

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
SCH01	380	<b>Quantity</b>	M R 1/15
		Numeric Value of Quantity	
SCH02	355	<b>Unit or Basis for Measurement Code</b>	M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.	
		<i>This quantity will supersede the quantity in PO102.</i>	
SCH05	374	<b>Date/Time Qualifier</b>	M ID 3/3
		Code Specifying type of date or time, or both date and time	
		017 Estimated Delivery	
SCH06	373	<b>Date</b>	M DT 8/8
		Date expressed as CCYYMMDD	

**Segment:** **ACK** Line Item Acknowledgment  
**Position:** 270  
**Loop:** ACK Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item  
**Syntax Notes:**

- 1 If either ACK02 or ACK03 is present, then the other is required.
- 2 If ACK04 is present, then ACK05 is required.
- 3 If either ACK07 or ACK08 is present, then the other is required.
- 4 If either ACK09 or ACK10 is present, then the other is required.
- 5 If either ACK11 or ACK12 is present, then the other is required.
- 6 If either ACK13 or ACK14 is present, then the other is required.
- 7 If either ACK15 or ACK16 is present, then the other is required.
- 8 If either ACK17 or ACK18 is present, then the other is required.
- 9 If either ACK19 or ACK20 is present, then the other is required.
- 10 If either ACK21 or ACK22 is present, then the other is required.
- 11 If either ACK23 or ACK24 is present, then the other is required.
- 12 If either ACK25 or ACK26 is present, then the other is required.
- 13 If either ACK27 or ACK28 is present, then the other is required.
- 14 If ACK28 is present, then both ACK27 and ACK29 are required.

**Semantic Notes:**

- 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.

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ACK01	668	<b>Line Item Status Code</b> Code specifying the action taken by the seller on a line item requested by the buyer IA Item Accepted IB Item Backordered IQ Item Accepted – Quantity Changed IS Item Accepted – Substitution Made	M ID 2/2
ACK02	380	<b>Quantity</b> Numeric value of quantity	X R 1/15
ACK03	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
ACK04	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 017 Estimated Delivery 068 Current Schedule Ship	O ID 3/3
ACK05	373	<b>Date</b> Date expressed as CCYYMMDD This date is the quoted shipping date. <i>This date will supersede previously expressed ship/delivery dates.</i>	X DT 8/8
ACK05	373	<b>Date</b> Date expressed as CCYYMMDD This date is the requested shipping date set by the buyer.	X DT 8/8

**Segment:** **N1** Name  
**Position:** 370  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**

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

**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>M ID 2/3</b>
		Code identifying an organizational entity, a physical location, property or an individual	
		SF Ship From	
		ST Ship To	
<b>N102</b>	<b>93</b>	<b>Name</b>	<b>C AN 1/60</b>
		Free-form name	
<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b>	<b>C ID 1/2</b>
		Code designating the system/method of code structure used for Identification	
		92 Assigned by Buyer or Buyer's Agent	
<b>N104</b>	<b>67</b>	<b>Identification Code</b>	<b>C AN 2/80</b>
		Code identifying a party or other code	

**Segment:** **N3** Address Information  
**Position:** 390  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	
N301	166	Address Information Address information	M AN 1/55
N302	166	Address Information Address information	O AN 1/55

**Segment:** **N4** Geographic Location  
**Position:** 400  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>N401</b>	<b>19</b>	<b>City Name</b> Free-form text for city name	<b>O AN 2/30</b>
<b>N402</b>	<b>156</b>	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>O ID 2/2</b>
<b>N403</b>	<b>116</b>	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/15</b>

**Segment:** **CTT** Transaction Totals  
**Position:** 010  
**Loop:** CTT Optional  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Syntax Notes:**

- 1 If either CTT03 or CTT04 is present, then the other is required.
- 2 If either CTT05 or CTT06 is present, then the other is required.

**Semantic Notes:**

- 1 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 invoiced (PO102) for each PO1 segment.

**Comments:**

- 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Data Element Summary**

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
CTT01	354	<b>Number of Line Items</b> Total number of line items in the transaction set	<b>M N0 1/6</b>
CTT02	347	<b>Hash Total</b> Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	<b>O R 1/10</b>

**Segment:** **SE** Transaction Set Trailer  
**Position:** 030  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**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)  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 SE is the last segment of each transaction set.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
SE01	96	Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
SE02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	