

855 Purchase Order Acknowledgment

Functional Group ID=**PR**

Updates:

- September 20, 2006: Add ISBN-13, GTIN-14 Product ID's. Replace XNET with US ECPA Christian.
- August 10, 2016: Modified document's file name and Header to replace "XNet" with "US ECPA Christian." Added version, "X12 vers 3060.." Since this standard has been in use at least 12 years, replaced "Draft Standard Trial Use" with "Standard."

Introduction:

This Standard 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>
M	010	ST	Transaction Set Header	M	1	
M	020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1	
	040	CUR	Currency	O	1	
	150	DTM	Date/Time Reference	O	10	
			LOOP ID - N1		200	
	300	N1	Name	O	1	
	310	N2	Additional Name Information	O	2	
	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>
					100000	
010	PO1	Baseline Item Data	O	1		n1

040	CTP	Pricing Information LOOP ID - PID	O	>1	1000	
050	PID	Product/Item Description LOOP ID - ACK	O	1	104	
270	ACK	Line Item Acknowledgment	O	1		
310	SCH	Line Item Schedule LOOP ID - SCH	O	1	200	n2

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		n3
M 030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
2. 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. 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

Ref.	Data		<u>Attributes</u>
<u>Des.</u>	<u>ElementName</u>		
MST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 003062 Data Element Dictionary for acceptable code values.	M ID 3/3
MST02	329	Transaction Set Control Number 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

Ref.	Data		<u>Attributes</u>
<u>Des.</u>	<u>ElementName</u>		
M BAK01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original SU Status Update	M ID 2/2
M BAK02	587	Acknowledgment Type Code specifying the type of acknowledgment AC Acknowledge - With Detail and Change AD Acknowledge - With Detail, No Change	M ID 2/2
M BAK03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22
M BAK04	373	Date Date (YYMMDD)	M DT 6/6
BAK05	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties	O AN 1/30

		involved in the transaction		
BAK06	326	Request Reference Number	O	AN 1/45
		Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)		
BAK07	367	Contract Number	O	AN 1/30
		Contract number		
BAK08	127	Reference Identification	O	AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
>> BAK09	373	Date	O	DT 6/6
		Date (YYMMDD)		

Segment: CUR Currency

Position:040

Loop:

Level:Heading

Usage:Optional

Max Use:1

Purpose:To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax Notes:1 If CUR10 is present, then at least one of CUR11 or CUR12 is required.

2 If CUR11 is present, then CUR10 is required.

3 If CUR12 is present, then CUR10 is required.

4 If CUR13 is present, then at least one of CUR14 or CUR15 is required.

5 If CUR14 is present, then CUR13 is required.

6 If CUR15 is present, then CUR13 is required.

7 If CUR16 is present, then at least one of CUR17 or CUR18 is required.

8 If CUR17 is present, then CUR16 is required.

9 If CUR18 is present, then CUR16 is required.

10If CUR19 is present, then at least one of CUR20 or CUR21 is required.

11If CUR20 is present, then CUR19 is required.

12If CUR21 is present, then CUR19 is required.

13If CUR08 is present, then CUR07 is required.

14If CUR09 is present, then CUR07 is required.

Semantic Notes:

Comments:1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

Ref.	Data		Attributes
Des.	ElementName		
MCUR01	98	Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		BT Bill-to-Party	
		ST Ship To	

MCUR02 100 Currency Code**M ID 3/3**

Code (Standard ISO) for country in whose currency the charges are specified

CAD Canadian Dollar

USD U.S. Dollar

Segment:DTM Date/Time Reference**Position:**150**Loop:****Level:**Heading**Usage:**Optional**Max Use:**10**Purpose:**To specify pertinent dates and times**Syntax Notes:**1At least one of DTM02 DTM03 or DTM06 is required.

2If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:**Comments:****Data Element Summary**

Ref.	Data	Attributes
Des.	ElementName	
MDTM01	374 Date/Time Qualifier	M ID 3/3
	Code specifying type of date or time, or both date and time	
	001 Cancel After	
DTM02	373 Date	C DT 6/6
	Date (YYMMDD)	
DTM05	624 Century	O N0 2/2
	The first two characters in the designation of the year (CCYY)	

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:**1At least one of N102 or N103 is required.

2If either N103 or N104 is present, then the other is required.

Semantic Notes:**Comments:**1This 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.

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

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>ElementName</u>		<u>Attributes</u>
MN101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual BT Bill-to-Party ST Ship To	M ID 2/2
N102	93	Name Free-form name	C AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 15 Standard Address Number (SAN)	C ID 1/2
N104	67	Identification Code Code identifying a party or other code	X AN 2/20

Segment:**N2** Additional Name Information

Position:310

Loop:N1 Optional

Level:Heading

Usage:Optional

Max Use:2

Purpose:To specify additional names or those longer than 35 characters in length

Syntax Notes:

Semantic Notes:

Comments:

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>ElementName</u>	<u>Attributes</u>	
MN201	93	NameM AN 1/60 Free-form name	
N202	93	NameO AN 1/60 Free-form name	

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

Ref.	Data			
	<u>Des.</u>	<u>ElementName</u>		<u>Attributes</u>
MN301	166	Address Information	M AN 1/35	
		Address information		
N302	166	Address Information	O AN 1/35	
		Address information		

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:1If N406 is present, then N405 is required.

Semantic Notes:

Comments:1A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

2N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref.	Data			
	<u>Des.</u>	<u>ElementName</u>		<u>Attributes</u>
N401	19	City Name	O AN 2/30	
		Free-form text for city name		
N402	156	State or Province Code	O ID 2/2	
		Code (Standard State/Province) as defined by appropriate government agency		
N403	116	Postal Code	O ID 3/15	
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	26	Country Code	O ID 2/3	

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 either PO110 or PO111 is present, then the other is required.
 - 2 If either PO112 or PO113 is present, then the other is required.
 - 3 If either PO114 or PO115 is present, then the other is required.
 - 4 If either PO116 or PO117 is present, then the other is required.
 - 5 If either PO118 or PO119 is present, then the other is required.
 - 6 If either PO120 or PO121 is present, then the other is required.
 - 7 If either PO122 or PO123 is present, then the other is required.
 - 8 If either PO124 or PO125 is present, then the other is required.
 - 9 If PO103 is present, then PO102 is required.
 - 10 If PO105 is present, then PO104 is required.
 - 11 If either PO106 or PO107 is present, then the other is required.
 - 12 If either PO108 or PO109 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

Ref.	Data	Attributes
<u>Des.</u>	<u>ElementName</u>	
PO101	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
PO102	330 Quantity Ordered Quantity ordered	C R 1/9
PO103	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken UN Unit	O ID 2/2
PO104	212 Unit Price Price per unit of product, service, commodity, etc.	C R 1/17
PO105	639 Basis of Unit Price Code Code identifying the type of unit price for an item NT Net Indicates a net unit price	O ID 2/2

		SR Suggested Retail	
PO106	235	Product/Service ID Qualifier	C ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		CB Buyer's Catalog Number	
		IB International Standard Book Number (ISBN)	
		UP U.P.C. Consumer Package Code (1-5-5-1)	
		EN (ISBN-13) 13-digit European Article Number (EAN) (2-5-5-1)	
		UK 14-digit GTIN, UCC/EAN 1-2-5-5-1. Used when a leading digit is added to the ISBN- 13 that specifies the packaging level (such as a carton). When the packaging level is greater than a unit (such as a carton), a new check digit must be calculated.	
		VN Vendor's (Seller's) Item Number	
PO107	234	Product/Service ID	C AN 1/48
		Identifying number for a product or service	
PO108	235	Product/Service ID Qualifier	C ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		B2 Library of Congress Code	
		B5 Title Code	
PO109	234	Product/Service ID	C AN 1/48
		Identifying number for a product or service	
PO110	235	Product/Service ID Qualifier	C ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		B6 Author Code	
PO111	234	Product/Service ID	C AN 1/48
		Identifying number for a product or service	

Segment: CTP Pricing Information

Position:040

Loop:PO1 Optional

Level:Detail

Usage:Optional

Max Use:>1

Purpose:To specify pricing information

Syntax Notes:1If CTP10 is present, then CTP02 is required.

2If either CTP04 or CTP05 is present, then the other is required.

3If CTP06 is present, then CTP07 is required.

4If CTP09 is present, then CTP02 is required.

Semantic Notes:1CTP07 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.

2CTP08 is the rebate amount.

Comments:1See Figures Appendix for an example detailing the use of CTP03 and CTP04.

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

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>ElementName</u>	
CTP02	236 Price Identifier Code Code identifying pricing specification NET Net Item Price SLP Suggested List Price	C ID 3/3
CTP03	212 Unit Price Price per unit of product, service, commodity, etc.	O R 1/17
CTP04	380 Quantity Numeric value of quantity	C R 1/15
CTP05	C001 Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	C
MC00101	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken UN Unit	M ID 2/2
CTP06	648 Price Multiplier Qualifier Code indicating the type of price multiplier DIS Discount Multiplier	O ID 3/3
CTP07	649 Multiplier Value to be used as a multiplier to obtain a new value	C R 1/10

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:1If PID04 is present, then PID03 is required.

2At least one of PID04 or PID05 is required.

3If PID07 is present, then PID03 is required.

4If PID08 is present, then PID03 is required.

Semantic Notes:1Use PID03 to indicate the organization that publishes the code list being referred to.

2PID04 should be used for industry-specific product description codes.

3PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.

4PID09 is used to identify the language being used in PID05.

Comments:1If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.

2Use PID06 when necessary to refer to the product surface or layer being described in the segment.

3PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>ElementName</u>		<u>Attributes</u>
MPID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic 08 Product	O ID 2/3
PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values BI Book Industry Systems Advisory Committee	C ID 2/2
PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic T1 Title - 1st 80 characters T2 Title - 81-161 characters T3 Title - 161-240 characters	C AN 1/12
PID05	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80

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 ACK11 or ACK12 is present, then the other is required.

2 If either ACK13 or ACK14 is present, then the other is required.

3 If either ACK15 or ACK16 is present, then the other is required.

4 If either ACK17 or ACK18 is present, then the other is required.

5 If either ACK19 or ACK20 is present, then the other is required.

6 If either ACK02 or ACK03 is present, then the other is required.

7 If either ACK21 or ACK22 is present, then the other is required.

8 If either ACK23 or ACK24 is present, then the other is required.

9 If either ACK25 or ACK26 is present, then the other is required.

10If either ACK27 or ACK28 is present, then the other is required.

11If ACK28 is present, then both ACK27 and ACK29 are required.

12If ACK04 is present, then ACK05 is required.

13If either ACK07 or ACK08 is present, then the other is required.

14If either ACK09 or ACK10 is present, then the other is 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>Attributes</u>
<u>Des.</u>	<u>ElementName</u>	
ACK01	668 Line Item Status Code Code specifying the action taken by the seller on a line item requested by the buyer IA Item Accepted IQ Item Accepted - Quantity Changed IR Item Rejected	M ID 2/2
ACK02	380 Quantity Numeric value of quantity	C R 1/15
ACK03	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken UN Unit	C ID 2/2
ACK04	374 Date/Time Qualifier Code specifying type of date or time, or both date and time 080 Scheduled for Shipment (After and Including) 100 No Shipping Schedule Established as of	O ID 3/3
ACK05	373 Date Date (YYMMDD)	C DT 6/6
ACK07	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) AI Alternate ISBN CB Buyer's Catalog Number RR Alternate EN (ISBN-13) SR Alternate UCC/EAN-14	C ID 2/2
ACK08	234 Product/Service ID Identifying number for a product or service	C AN 1/48
ACK27	559 Agency Qualifier Code Code identifying the agency assigning the code values BI Book Industry Systems Advisory Committee	C ID 2/2
ACK28	822 Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier ACK BISAC Acknowledgment Code List	X AN 1/15
ACK29	1271 Industry Code Code indicating a code from a specific industry code list AC Item accepted and shipped- shipping AN Available: Shipping- new edition/ ISBN- shipping AO Available: Shipping From Other Location AR Item Accepted: Released for shipment - shipping AS Available: Shipping - same ISBN- shipping AV Inventory available for order- available AX Available: Shipping- free book - shipping BA Backordered: Not yet available- Not shipped BB Backordered: Reprint under consideration - not shipped	C AN 1/30

BC Backordered: Current addition not available- to be replaced with- not shipped
BD Backordered: Delay in Publication- not shipped
BH Backordered: On hold- not shipped
BI Backordered: To be reissued- not shipped
BK Backordered: from previous order- not shipped
BN Backordered: Inventory in progress; closed for stocktaking- not shipped
BO Backordered: At customers request- not shipped
BP Item Accepted: partial shipment, balance backordered- shipping
BR Backordered: To be reprinted- Not shipped
BW Backordered: Waiting for catalog/processing - not shipped
BX Backordered: Not yet published- Not Shipped
CA Cancelled: Not yet available- Not Shipped
CB Cancelled: Not our Publication- Not Shipped
CD Cancelled: Delay in publication - Not Shipped
CE Cancelled: Order partially filled and shipped
CF Cancelled: Current edition not available - Not Shipped
CG Cancelled: No geographic rights, e.g. Canadian- Not Shipped
CH Cancelled: Rights no longer ours- Not Shipped
CI Cancelled: To be reissued- Not Shipped
CJ Cancelled: Out of print in cloth;available in paper-reorder- Not Shipped
CL Cancelled: Out of print in paper; available in cloth- reorder- Not Shipped
CN Cancelled: Inventory in progress; closed for stocktaking- Not Shipped
CO Cancelled: Out of Stock- Not Shipped
CQ Cancelled: Did not meet minimum order requirements- quantity or dollar value- Not Shipped
CR Cancelled: To be reprinted- Not Shipped
CT Cancelled: Publisher did not respond by your cancellation date. - Not Shipped
CU Cancelled: Kits not available- Not Shipped
CV Cancelled: Complete set volume must be purchased- Not Shipped
CW Cancelled: Apply direct; not available through wholesale channels- Not Shipped
CX Cancelled: Never Published- Not Shipped
CY Cancelled: Not available as a processed book- Not Shipped
DR Item Accepted: Date rescheduled- Shipping
DS Out of stock
IA Item Accepted- Shipping
IB Item Backordered- Not Shipped
ID Item Deleted- Not Shipped
IE Item accepted: Price pending- Shipping
IG Item forwarded to proper source/Published
IH Item on Hold- Not Shipped
IN Item accepted: Forwarded to new supplier - Not Shipped
IP Item accepted: Priced Changed - Shipping
IQ Item accepted: Quantity changed -Shipping
IR Item Rejected- Not Shipped
IS Item accepted: Substitution made- Shipping
IW Item on hold: Waiver required- Not Shipped
KC Cancelled: Reprint under consideration- Not Shipped
KK Cancelled: ISBN incorrect/unknown- Not Shipped
KM Cancelled: Market for this title is restricted- Not Shipped
KP Cancelled: Out of print: - Not Shipped
KR Cancelled: Title Remaindered- Not Shipped

KS Cancelled: Book sold by subscription only- Not shipped
 NF Not yet Published- Not Shipped
 OP Out of Print- Not Shipped
 OR Temporarily out of stock- Not Shipped
 PA Partial shipment- Shipping
 SC Shipment Complete- Shipping
 SP Item accepted: Schedule date pending- Shipping
 SS Split shipment- Shipping

Segment: SCH Line Item Schedule

Position:310

Loop:SCH Optional

Level:Detail

Usage:Optional

Max Use:1

Purpose:To specify the data for scheduling a specific line-item

Syntax Notes:1If SCH10 is present, then SCH08 is required.

2If SCH03 is present, then SCH04 is required.

3If SCH08 is present, then at least one of SCH09 or SCH10 is required.

4If SCH09 is present, then SCH08 is required.

Semantic Notes:1SCH12 is the schedule identification.

Comments:1SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>ElementName</u>	
MSCH01	380 Quantity Numeric value of quantity	M R 1/15
MSCH02	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken UN Unit	M ID 2/2
SCH03	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual WH Warehouse	O ID 2/2
SCH04	93 Name Free-form name	C AN 1/60
MSCH05	374 Date/Time Qualifier Code specifying type of date or time, or both date and time 068 Current Schedule Ship	M ID 3/3
MSCH06	373 Date Date (YYMMDD)	M DT 6/6
SCH11	326 Request Reference Number Reference number or RFQ number to use to identify a particular transaction set and	O AN 1/45

query (additional reference number or description which can be used with contract number)

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:1If either CTT03 or CTT04 is present, then the other is required.

2If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

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

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>ElementName</u>	
MCTT01	354 Number of Line Items Total number of line items in the transaction set	M N0 1/6
CTT02	347 Hash Total 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.	O R 1/10

Example:

-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

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

Ref.	Data	Attributes		
Des.	ElementName			
MSE01	96	Number of Included Segments	M	N0 1/10
		Total number of segments included in a transaction set including ST and SE segments		
MSE02	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		