850 Purchase Order

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BEG	Beginning Segment for Purchase Order	M	1		
	050	REF	Reference Identification	O	>1		
	080	FOB	F.O.B. Related Instructions	O	>1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
			LOOP ID - N9			1000	
	295	N9	Reference Identification	O	1		
	297	DTM	Date/Time Reference	O	>1		
	300	MSG	Message Text	O	1000		
			LOOP ID - N1			200	
	310	N1	Name	O	1		
	320	N2	Additional Name Information	O	2		
	330	N3	Address Information	O	2		
	340	N4	Geographic Location	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	010	PO1	Baseline Item Data	M	1		n1
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	O	1		
	140	IT8	Conditions of Sale	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	010	CTT	Transaction Totals	O	1		n2
M	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

	Ref. Des.	Data Element	Name	Attributes
M	ST01	143	**Transaction Set Identifier Code**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
M	ST02	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	

Segment: **BEG** **Beginning Segment for Purchase Order**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates
Syntax Notes:
Semantic Notes: 1 BEG05 is the date assigned by the purchaser to purchase order.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	BEG01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			00 Original		
M	BEG02	92	**Purchase Order Type Code**	M	ID 2/2
			Code specifying the type of Purchase Order		
			NE New Order		
M	BEG03	324	**Purchase Order Number**	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
	BEG04	328	**Release Number**	O	AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		
M	BEG05	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
	BEG06	367	**Contract Number**	O	AN 1/30
			Contract number		
	BEG07	587	**Acknowledgment Type**	O	ID 2/2
			Code specifying the type of acknowledgment		
	BEG08	1019	**Invoice Type Code**	O	ID 3/3
			Code defining the method by which invoices are to be processed		

Segment:	**REF** Reference Identification		
Position:	050		
Loop:			
Level:	Heading		
Usage:	Optional		
Max Use:	>1		
Purpose:	To specify identifying information		
Syntax Notes:	**1**	At least one of REF02 or REF03 is required.	
	2	If either C04003 or C04004 is present, then the other is required.	
	3	If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	**1**	REF04 contains data relating to the value cited in REF02.	
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier**	**M ID 2/3**
			Code qualifying the Reference Identification	
			KK Delivery Reference	
			PD Promotion/Deal Number	
			PR Price Quote Number	
			ZZ Mutually Defined	
	REF02	**127**	**Reference Identification**	**X AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			If REF01 = PR, Eagle price authorization	
	REF03	**352**	**Description**	**X AN 1/80**
			A free-form description to clarify the related data elements and their content	

			Segment:	**FOB** F.O.B. Related Instructions

Segment: **FOB** F.O.B. Related Instructions
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:
1 If FOB03 is present, then FOB02 is required.
2 If FOB04 is present, then FOB05 is required.
3 If FOB07 is present, then FOB06 is required.
4 If FOB08 is present, then FOB09 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.
4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.
Comments:
Notes: SEGMENT NOT USED AT THIS TIME

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	FOB01	146	**Shipment Method of Payment**	M	**ID 2/2**
			Code identifying payment terms for transportation charges		
	FOB02	309	**Location Qualifier**	X	**ID 1/2**
			Code identifying type of location		
	FOB03	352	**Description**	O	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
	FOB04	334	**Transportation Terms Qualifier Code**	O	**ID 2/2**
			Code identifying the source of the transportation terms		
	FOB05	335	**Transportation Terms Code**	X	**ID 3/3**
			Code identifying the trade terms which apply to the shipment transportation responsibility		
	FOB06	309	**Location Qualifier**	X	**ID 1/2**
			Code identifying type of location		
	FOB07	352	**Description**	O	**AN 1/80**
			A free-form description to clarify the related data elements and their content		

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale		

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify terms of sale
Syntax Notes:
  1   If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
  2   If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
  3   If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:
  1   ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:
  1   If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ITD01	336	**Terms Type Code**	O ID 2/2
		Code identifying type of payment terms	
		ZZ Mutually Defined	
ITD02	333	**Terms Basis Date Code**	O ID 1/2
		Code identifying the beginning of the terms period	
		1 Ship Date	
		2 Delivery Date	
		3 Invoice Date	
ITD03	338	**Terms Discount Percent**	O R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	
ITD04	370	**Terms Discount Due Date**	X DT 8/8
		Date payment is due if discount is to be earned expressed in format CCYYMMDD	
ITD05	351	**Terms Discount Days Due**	X N0 1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned	
ITD06	446	**Terms Net Due Date**	O DT 8/8
		Date when total invoice amount becomes due expressed in format CCYYMMDD	
ITD07	386	**Terms Net Days**	O N0 1/3
		Number of days until total invoice amount is due (discount not applicable)	
ITD08	362	**Terms Discount Amount**	O N2 1/10
		Total amount of terms discount	
ITD09	388	**Terms Deferred Due Date**	O DT 8/8
		Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD	
ITD10	389	**Deferred Amount Due**	X N2 1/10
		Deferred amount due for payment	
ITD11	342	**Percent of Invoice Payable**	X R 1/5
		Amount of invoice payable expressed in percent	
ITD12	352	**Description**	O AN 1/80
		A free-form description to clarify the related data elements and their content	
ITD13	765	**Day of Month**	X N0 1/2
		The numeric value of the day of the month between 1 and the maximum day of the month being referenced	

		TD5 Carrier Details (Routing Sequence/Transit Time)
Segment:		
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 TD504 TD505 TD506 or TD512 is required.
	2	If TD502 is present, then TD503 is required.
	3	If TD507 is present, then TD508 is required.
	4	If TD510 is present, then TD511 is required.
	5	If TD513 is present, then TD512 is required.
	6	If TD514 is present, then TD513 is required.
	7	If TD515 is present, then TD512 is required.
Semantic Notes:	1	TD515 is the country where the service is to be performed.
Comments:	1	When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
TD501	**133**	**Routing Sequence Code**	**O**	**ID 1/2**
		Code describing the relationship of a carrier to a specific shipment movement		
		Z — Mutually Defined		
TD505	**387**	**Routing**	**X**	**AN 1/35**
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		

Segment:	**N9** Reference Identification	
Position:	295	
Loop:	N9 Optional	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier	
Syntax Notes:	1	At least one of N902 or N903 is required.
	2	If N906 is present, then N905 is required.
	3	If either C04003 or C04004 is present, then the other is required.
	4	If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1	N906 reflects the time zone which the time reflects.
	2	N907 contains data relating to the value cited in N902.
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			L1 Letters or Notes		
	N902	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment:		**DTM** Date/Time Reference				

Segment: **DTM** Date/Time Reference
Position: 297
Loop: N9   Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Syntax Notes: 1   At least one of DTM02 DTM03 or DTM05 is required.
           2   If DTM04 is present, then DTM03 is required.
           3   If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	DTM01	374	**Date/Time Qualifier**	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		
	DTM03	337	**Time**	X	TM 4/8
			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)		
	DTM04	623	**Time Code**	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.		
	DTM05	1250	**Date Time Period Format Qualifier**	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	DTM06	1251	**Date Time Period**	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		

Segment:	**MSG** Message Text
Position:	300
Loop:	N9 Optional
Level:	Heading
Usage:	Optional
Max Use:	1000
Purpose:	To provide a free-form format that allows the transmission of text information
Syntax Notes:	1 If MSG03 is present, then MSG02 is required.
Semantic Notes:	1 MSG03 is the number of lines to advance before printing.
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
	2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	MSG01	933	**Free-Form Message Text**	M AN 1/264
			Free-form message text	

Segment: # N1 Name

Position:	310
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:	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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	N101	98	**Entity Identifier Code**		**M ID 2/3**

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

BT	Bill-to-Party
ST	Ship To
WH	Warehouse

	N102	93	**Name**		**X AN 1/60**

Free-form name

"Orgill, Inc." If N101 = "BT" or "ST"

	N103	66	**Identification Code Qualifier**		**X ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

"1" If N101 = BT
"92" If N101 = ST
"ZZ" If N101 = WH

1	D-U-N-S Number, Dun & Bradstreet
92	Assigned by Buyer or Buyer's Agent
ZZ	Mutually Defined

	N104	67	**Identification Code**		**X AN 2/80**

Code identifying a party or other code

If N101 = "ST"
  "001"   for Memphis Warehouse
  "002"   for Tifton Warehouse
  "003"   for Vandalia Warehouse
  "004"   for Martinsburg Warehouse

	Segment:	**N2** Additional Name Information
	Position:	320
	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:	
	Notes:	SEGMENT NOT USED AT THIS TIME

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

Segment: # N3 Address Information

Position:	330
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. Des.	Data Element	Name	Attributes	
M	N301	166	**Address Information**	M	AN 1/55
			Address information		
			"2100 Latham" If N104 = "001"		
			"260 Jordan Rd." If N104 = "002"		
			"1410 Veterans Ave." If N104 = "003"		
			"4925 Tablers Station Rd'" If N104 = "004"		
	N302	166	**Address Information**	O	AN 1/55
			Address information		

Segment:	**N4** Geographic Location
Position:	340
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:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
N401	**19**	**City Name**	**O**	**AN 2/30**
		Free-form text for city name		
		"Memphis" If N104 = "001" "Tifton" If N104 = "002" "Vandalia" If N104 = "003" "Inwood" If N104 = "004"		
N402	**156**	**State or Province Code**	**O**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
		"TN" If N104 = "001" "GA" If N104 = "002" "IL" If N104 = "003" "WV" If N104 = "004"		
N403	**116**	**Postal Code**	**O**	**ID 3/15**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
		"38109" If N104 = "001" "31794" If N104 = "002" "62471" If N104 = "003" "25428" If N104 = "004"		
N404	**26**	**Country Code**	**O**	**ID 2/3**
		Code identifying the country		
		US		

Segment:	**PO1** Baseline Item Data
Position:	010
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Mandatory
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

Ref. Des.	Data Element	Name	Attributes	
PO101	350	Assigned Identification	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		7 byte numeric PO line number		
PO102	330	Quantity Ordered	X	R 1/15
		Quantity ordered		
PO103	355	Unit or Basis for Measurement Code	O	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
PO104	212	Unit Price	X	R 1/17
		Price per unit of product, service, commodity, etc.		
PO105	639	Basis of Unit Price Code	O	ID 2/2
		Code identifying the type of unit price for an item		
		Field will be blank unless PO104 contains a special or promotional cost		
		PR Promotion		
PO106	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		IN Buyer's Item Number		
PO107	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		Orgill's item number formatted 999-9999		
PO108	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		UP U.P.C. Consumer Package Code (1-5-5-1)		
		VN Vendor's (Seller's) Item Number		
PO109	234	Product/Service ID	X	AN 1/48

Identifying number for a product or service

| **PO110** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |

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

    TZ   Program Description Identifier

| **PO111** | **234** | **Product/Service ID** | **X** | **AN 1/48** |

Identifying number for a product or service

| **PO112** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |

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

| **PO113** | **234** | **Product/Service ID** | **X** | **AN 1/48** |

Identifying number for a product or service

Segment:	**PID** Product/Item Description			

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 PID04 is required.
5. If PID09 is present, then PID05 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; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:
1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

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

Segment:	**IT8** Conditions of Sale	
Position:	140	
Loop:	PO1	Mandatory
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify general conditions or requirements and to detail conditions for substitution of alternate products	
Syntax Notes:	1	At least one of IT801 IT802 IT803 IT805 or IT807 is required.
	2	If either IT808 or IT809 is present, then the other is required.
	3	If either IT810 or IT811 is present, then the other is required.
	4	If either IT812 or IT813 is present, then the other is required.
	5	If either IT814 or IT815 is present, then the other is required.
	6	If either IT816 or IT817 is present, then the other is required.
	7	If either IT818 or IT819 is present, then the other is required.
	8	If either IT820 or IT821 is present, then the other is required.
	9	If either IT822 or IT823 is present, then the other is required.
	10	If either IT824 or IT825 is present, then the other is required.
	11	If either IT826 or IT827 is present, then the other is required.
Semantic Notes:	1	IT803 is the maximum monetary amount value which the order must not exceed.
	2	IT804 is the account number to which the purchase amount is to be charged.
	3	IT805 is the date specified by the sender to be shown on the invoice.
Comments:	1	Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
	2	IT808 through IT827 provides for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
IT801	**563**	**Sales Requirement Code**	**X ID 1/2**
		Code to identify a specific requirement or agreement of sale	
		BK	Ship Partial - Balance Back Order
		IS	Substitute Item Allowed
		N	No Back Order
		SC	Ship Complete
		SP	Ship Partial, Balance Cancel
		Y	Back Order if Out of Stock
IT807	**566**	**Product/Service Substitution Code**	**X ID 1/2**
		Code indicating product or service substitution conditions	
		B0	No Substitution Allowed
		X	Equivalent Item Substitution
IT808	**235**	**Product/Service ID Qualifier**	**X ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		VN	Vendor's (Seller's) Item Number
IT809	**234**	**Product/Service ID**	**X AN 1/48**
		Identifying number for a product or service	

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

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M **CTT01**	**354**	**Number of Line Items**	**M** **N0 1/6**
		Total number of line items in the transaction set	
CTT02	**347**	**Hash Total**	**O** **R 1/10**
		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. 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			

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. Des.	Data Element	Name	Attributes	
M	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
M	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		