

852 Product Activity Data

Status: Draft

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Created: 11/13/2004

852 Product Activity Data

Functional Group=PD

This Draft Standard for Trial Use contains the format and establishes the data contents of the Product Activity Data Transaction Set (852) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a distributor, warehouse, or retailer to advise a trading partner of inventory, sales, and other product activity information. Product activity data enables a trading partner to plan and ship, or propose inventory replenishment quantities, for distribution centers, warehouses or retail outlets. The receiver of the transaction set will maintain some type of inventory/product movement records for its trading partners to enable replenishment calculations based on data provided by the distributor, warehouse or retailer.

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>
010	ST	Transaction Set Header	M	1			Required
020	XQ	Reporting Date/Action	M	1			Required
040	N9	Reference Identification	O	>1			Used
050	PER	Administrative Communications Contact	O	3			Used
LOOP ID - N1					200	N1/060L	
060	N1	Name	O	1		N1/060	Used
070	N2	Additional Name Information	O	1			Used
080	N3	Address Information	O	2			Used
090	N4	Geographic Location	O	1			Used

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>
LOOP ID - LIN					999999		
150	LIN	Item Identification	O	1			Required
160	CTP	Pricing Information	O	25			Used
171	N9	Reference Identification	O	>1			Used
LOOP ID - ZA					>1	N2/180L	
180	ZA	Product Activity Reporting	M	1		N2/180	Required
200	SDQ	Destination Quantity	O	>1			Used

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>
210	CTT	Transaction Totals	O	1		N3/210	Required
220	SE	Transaction Set Trailer	M	1			Required

Notes:

- 1/060L The reporting location is required. The reporting location is specified explicitly in the N1 segment using the code RL in N101, or implicitly using the SDQ segment (Table 2) with the location data elements. They are mutually exclusive (the SDQ and the N1 with N101 containing RL).
- 1/060 The reporting location is required. The reporting location is specified explicitly in the N1 segment using the code RL in N101, or implicitly using the SDQ segment (Table 2) with the location data elements. They are mutually exclusive (the SDQ and the N1 with N101 containing RL).
- 2/180L The quantity for the item identified in the LIN segment is required. Quantity is specified either in the ZA segment (ZA02) or in the SDQ segment.
- 2/180 The quantity for the item identified in the LIN segment is required. Quantity is specified either in the ZA segment (ZA02) or in the SDQ segment.
- 3/210 The number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction set.
When sending item and activity data in the LIN loop, the CTT segment is required.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Required

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 Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Required
		Code Name 852 Product Activity Data				
ST02	329	Transaction Set Control Number Description: 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	Required

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

XQ Reporting Date/Action

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Required

To specify reporting date and action to be taken

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>
XQ01	305	Transaction Handling Code Description: Code designating the action to be taken by all parties	M	ID	1/2	Required
		Code Name				
		F Plan and Submit Suggested Purchase Order(s)				
		G Plan Order(s) and Ship Product				
		H Notification Only				
		J Payment Requested (Adjustment to Account)				
XQ02	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Required
		User: <i>Start Date</i>				
XQ03	373	Date Description: Date expressed as CCYYMMDD	O	DT	8/8	Used
		User: <i>End Date</i>				

Semantics:

1. XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ03 is the end date.

N9 Reference Identification

Pos: 040	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

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>
N901	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification	M	ID	2/3	Required
		Code Name IK Invoice Number Description: Manufacturer's invoice number for vehicle/component				
		IN Consignee's Invoice Number				
N902	127	PO Purchase Order Number Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
N904	373	Date Description: Date expressed as CCYYMMDD	O	DT	8/8	Used

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

PER Administrative Communications Contact

Pos: 050	Max: 3
Heading - Optional	
Loop: N/A	Elements: 8

User Option (Usage): Used

To identify a person or office to whom administrative communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named <u>Code Name</u> IC Information Contact	M	ID	2/2	Required
PER02	93	Name Description: Free-form name	O	AN	1/60	Used
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number <u>Code Name</u> BN Beeper Number CP Cellular Phone EM Electronic Mail EX Telephone Extension FX Facsimile TE Telephone TM Telemail	X	ID	2/2	Used
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/80	Used
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number User: Refer to code list specified in 'PER03' for usage.	X	ID	2/2	Used
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/80	Used
PER07	365	Communication Number Qualifier Description: Code identifying the type of communication number User: Refer to code list specified in 'PER03' for usage.	X	ID	2/2	Used
PER08	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/80	Used

Syntax Rules:

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

Loop N1

Pos: 060	Repeat: 200
Optional	
Loop: N1	Elements: N/A

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>
060	N1	Name	O	1		Used
070	N2	Additional Name Information	O	1		Used
080	N3	Address Information	O	2		Used
090	N4	Geographic Location	O	1		Used

N1 Name

Pos: 060	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

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	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <u>Code Name</u> BS Bill and Ship To BT Bill-to-Party RL Reporting Location SF Ship From User: <i>Use only when the ship from is different than the reporting location, such as a drop shipment.</i> ST Ship To VN Vendor	M	ID	2/3	Required
N102	93	Name Description: Free-form name	X	AN	1/60	Used
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <u>Code Name</u> 15 Standard Address Number (SAN) 91 Assigned by Seller or Seller's Agent	X	ID	1/2	Used
N104	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used

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: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

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

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	Name Description: Free-form name	M	AN	1/60	Required
N202	93	Name Description: Free-form name	O	AN	1/60	Used

N3 Address Information

Pos: 080	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

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	Address Information Description: Address information	M	AN	1/55	Required
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 090	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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	City Name Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	Used

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

Loop LIN

Pos: 150	Repeat: 999999
Optional	
Loop: LIN	Elements: N/A

To specify basic item identification 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>
150	LIN	Item Identification	O	1		Required
160	CTP	Pricing Information	O	25		Used
171	N9	Reference Identification	O	>1		Used
180		Loop ZA	M		>1	Required

LIN Item Identification

Pos: 150	Max: 1
Detail - Optional	
Loop: LIN	Elements: 31

User Option (Usage): Required

To specify basic item identification 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>
LIN01	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
LIN02	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name CB Buyer's Catalog Number EN European Article Number (EAN) (2-5-5-1) User: ISBN-13 IB International Standard Book Number (ISBN) RY Record Keeping or Model Year SJ Religious Retail Non-book Item SK Stock Keeping Unit (SKU) UK U.P.C./EAN Shipping Container Code (1-2-5-5-1) Description: A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit User: UCC/EAN-14	M	ID	2/2	Required
LIN03	234	UP U.P.C. Consumer Package Code (1-5-5-1) Product/Service ID Description: Identifying number for a product or service	M	AN	1/48	Required
LIN04	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN05	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN06	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN07	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN08	235	Product/Service ID Qualifier	X	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'LIN02' for usage.				
LIN09	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN10	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN11	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN12	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN13	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN14	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN15	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN16	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN17	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN18	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'LIN02' for usage.	X	ID	2/2	Used
LIN19	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN20	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>User: Refer to code list specified in 'LIN02' for usage.</i>				
LIN21	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN22	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used
		<i>User: Refer to code list specified in 'LIN02' for usage.</i>				
LIN23	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN24	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used
		<i>User: Refer to code list specified in 'LIN02' for usage.</i>				
LIN25	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN26	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used
		<i>User: Refer to code list specified in 'LIN02' for usage.</i>				
LIN27	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN28	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used
		<i>User: Refer to code list specified in 'LIN02' for usage.</i>				
LIN29	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN30	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used
		<i>User: Refer to code list specified in 'LIN02' for usage.</i>				
LIN31	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.

6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

CTP Pricing Information

Pos: 160	Max: 25
Detail - Optional	
Loop: LIN	Elements: 7

User Option (Usage): Used

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	Class of Trade Code Description: Code indicating class of trade Code Name CR Chain Store Retail DI Distributor GR General Retail IN Institutional MF Manufacturer User: <i>Used to specify a shipment on behalf of a publisher to a publisher's customer</i> RS Resale WH Wholesaler User: <i>Used to specify a transfer within the same organization</i>	O	ID	2/2	Used
CTP02	236	Price Identifier Code Description: Code identifying pricing specification Code Name NET Net Item Price PRP Promotional price SLP Suggested List Price	X	ID	3/3	Used
CTP03	212	Unit Price Description: Price per unit of product, service, commodity, etc.	X	R	1/17	Used
CTP04	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
CTP05	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	X	Comp		Used
	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Code Name ST Set UN Unit	M	ID	2/2	Required
CTP06	648	Price Multiplier Qualifier Description: Code indicating the type of price multiplier Code Name DIS Discount Multiplier	O	ID	3/3	Used
CTP07	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	X	R	1/10	Used

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.

N9 Reference Identification

Pos: 171	Max: >1
Detail - Optional	
Loop: LIN	Elements: 3

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

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>
N901	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification	M	ID	2/3	Required
		Code Name IK Invoice Number Description: Manufacturer's invoice number for vehicle/component				
		IN Consignee's Invoice Number				
N902	127	PO Purchase Order Number Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
N904	373	Date Description: Date expressed as CCYYMMDD	O	DT	8/8	Used

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

Loop ZA

Pos: 180	Repeat: >1
Mandatory	
Loop: ZA	Elements: N/A

To provide activity details concerning product being reported

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>
180	ZA	Product Activity Reporting	M	1		Required
200	SDQ	Destination Quantity	O	>1		Used

ZA Product Activity Reporting

Pos: 180	Max: 1
Detail - Mandatory	
Loop: ZA	Elements: 7

User Option (Usage): Required

To provide activity details concerning product being reported

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>
ZA01	859	Activity Code Description: Code identifying activity details for the product being reported <u>Code Name</u> Q2 Quantity Returned QA Current Inventory Quantity Available for Shipment or Sale Description: Indicates the quantity currently available to be sold or shipped QM Maximum Inventory Quantity Description: The maximum inventory quantity for replenishment purposes QP Quantity On Order, Not Yet Received Description: Total quantity expected to be received from supplier for current reporting period, but not yet received QS Quantity Sold QT Adjustment to Inventory Quantity QZ Quantity Transferred TS Total Sales Quantity Description: Total sales of product	M	ID	2/2	Required
ZA02	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
ZA03	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <u>Code Name</u> UN Unit	X	ID	2/2	Used
ZA04	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time <u>Code Name</u> 011 Shipped	X	ID	3/3	Used
ZA05	373	Date Description: Date expressed as CCYYMMDD User: Used to specify the date of the sale	X	DT	8/8	Used
ZA06	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification <u>Code Name</u> SB Sales Region Number ST Store Number	X	ID	2/3	Used
ZA07	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: C - College G - General K - Children's	X	AN	1/30	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>M - Mall division</i>				
		<i>P - Specialty</i>				
		<i>S - Superstore division</i>				
		<i>W - Warehouse</i>				

Syntax Rules:

1. P0203 - If either ZA02 or ZA03 is present, then the other is required.
2. P0405 - If either ZA04 or ZA05 is present, then the other is required.
3. P0607 - If either ZA06 or ZA07 is present, then the other is required.

Semantics:

1. ZA08 determines if the product activity code in ZA01 refers to a product that is categorized as In-bond merchandise. A "Y" indicates that the activity code applies to a product that is In-bond; an "N" indicates that the activity code does not refer to a product that is In-bond.

SDQ Destination Quantity

Pos: 200	Max: >1
Detail - Optional	
Loop: ZA	Elements: 22

User Option (Usage): Used

To specify destination and quantity detail

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	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	M	Comp		Required
	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2	Required
		<u>Code Name</u> UN Unit				
SDQ02	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67)	O	ID	1/2	Used
		<u>Code Name</u> 15 Standard Address Number (SAN)				
SDQ03	67	Identification Code Description: Code identifying a party or other code	M	AN	2/80	Required
SDQ04	380	Quantity Description: Numeric value of quantity	M	R	1/15	Required
SDQ05	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ06	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ07	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ08	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ09	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ10	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ11	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ12	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ13	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ14	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ15	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying a party or other code				
SDQ16	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ17	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ18	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ19	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ20	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ21	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ22	380	Quantity	X	R	1/15	Used
		Description: 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.

CTT Transaction Totals

Pos: 210	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Required

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 Description: Total number of line items in the transaction set	M	NO	1/6	Required

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: 220	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Required

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	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	NO	1/10	Required
SE02	329	Transaction Set Control Number Description: 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	Required

Comments:

- SE is the last segment of each transaction set.

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