

# **A Book Industry System Advisory Committee Implementation Guideline for EDI**

**852 PRODUCT ACTIVITY DATA**

**VERSION: FEBRUARY 1999 FINAL**

# 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.

### Notes:

- 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).
- 2/180 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, but not in both.
- 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.

### 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
<b>LOOP ID - N1</b>					<b>200</b>		
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>
<b>LOOP ID - LIN</b>					<b>999999</b>		
150	LIN	Item Identification	O	1			Required
160	CTP	Pricing Information	O	25			Used
<b>LOOP ID - ZA</b>					<b>&gt;1</b>		
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

# ST Transaction Set Header

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

To indicate the start of a transaction set and to assign a control number

## Semantics:

- 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).

## 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	<b>Transaction Set Identifier Code</b> <b>Description:</b> Code uniquely identifying a Transaction Set	M	ID	3/3	Required
		<u>Code Name</u> 852 X12.52 Product Activity Data				
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</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	Required

# XQ Reporting Date/Action

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

To specify reporting date and action to be taken

## Semantics:

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

## 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	<b>Transaction Handling Code</b> <b>Description:</b> Code designating the action to be taken by all parties	M	ID	1/2	Required
		<u>Code</u> <u>Name</u>				
		F Plan and Submit Suggested Purchase Order(s)				
		G Plan Order(s) and Ship Product				
		H Notification Only				
XQ02	373	<b>Date</b> <b>Description:</b> Date (YYMMDD)	M	DT	6/6	Required
		<b>User:</b> <i>Start Date</i>				
XQ03	373	<b>Date</b> <b>Description:</b> Date (YYMMDD)	O	DT	6/6	Used
		<b>User:</b> <i>End Date</i>				

# N9 Reference Identification

Pos: 040	Max: >1
Heading - Optional	
Loop: N/A	Elements: 7

To transmit identifying information as specified by the Reference Identification Qualifier

## Syntax:

1. N902 R0203 -- At least one of N902 or N903 is required.
2. N906 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.

## 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	<b>Reference Identification Qualifier</b> <b>Description:</b> Code Qualifying the Reference Identification	M	ID	2/3	Required
		<u>Code Name</u>				
		IK Invoice Number <b>Description:</b> Manufacturer's invoice number for vehicle/component				
		IN Consignee's Invoice Number				
		PO Purchase Order Number				
N902	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Used
* N903	369	<b>Free-form Description</b> <b>Description:</b> Free-form descriptive text	C	AN	1/45	Not Used
N904	373	<b>Date</b> <b>Description:</b> Date (YYMMDD)	O	DT	6/6	Used
* N905	337	<b>Time</b> <b>Description:</b> 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)	C	TM	4/8	Not Used
* N906	623	<b>Time Code</b> <b>Description:</b> 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	O	ID	2/2	Not Used
* N907	C040	<b>Reference Identifier</b> <b>Description:</b> To identify one or more reference numbers or identification	O	Comp		Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		numbers as specified by the Reference Qualifier				
*	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code Qualifying the Reference Identification	M	ID	2/3	Not Used
*	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Not Used
*	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code Qualifying the Reference Identification	C	ID	2/3	Not Used
*	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used
*	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code Qualifying the Reference Identification	C	ID	2/3	Not Used
*	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used

# PER Administrative Communications Contact

Pos: 050	Max: 3
Heading - Optional	
Loop: N/A	Elements: 9

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

## Syntax:

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b> <b>Description:</b> 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	<b>Name</b> <b>Description:</b> Free-form name	O	AN	1/35	Used
PER03	365	<b>Communication Number Qualifier</b> <b>Description:</b> 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	C	ID	2/2	Used
PER04	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable	C	AN	1/80	Used
PER05	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number <b>User:</b> Refer to code list specified in 'PER03' for usage.	C	ID	2/2	Used
PER06	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable	C	AN	1/80	Used
PER07	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number <b>User:</b> Refer to code list specified in 'PER03' for usage.	C	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>
PER08	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable	C	AN	1/80	Used
* PER09	443	<b>Contact Inquiry Reference</b> <b>Description:</b> Additional reference number or description to clarify a contact number	O	AN	1/20	Not Used

# N1 Name

Pos: 060	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

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

## Syntax:

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual	M	ID	2/2	Required
		<u>Code Name</u>				
		BS Bill and Ship To				
		BT Bill-to-Party				
		RL Reporting Location				
		ST Ship To				
N102	93	<b>Name</b> <b>Description:</b> Free-form name	C	AN	1/35	Used
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)	C	ID	1/2	Used
		<u>Code Name</u>				
		15 Standard Address Number (SAN)				
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	C	AN	2/20	Used
* N105	706	<b>Entity Relationship Code</b> <b>Description:</b> Code describing entity relationship	O	ID	2/2	Not Used
* N106	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual	O	ID	2/2	Not Used

# N2

## Additional Name Information

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

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 <b>Description:</b> Free-form name	M	AN	1/35	Required
N202	93	Name <b>Description:</b> Free-form name	O	AN	1/35	Used

# N3 Address Information

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

To specify the location of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	<b>Address Information</b> Description: Address information	M	AN	1/35	Required
N302	166	<b>Address Information</b> Description: Address information	O	AN	1/35	Used

# N4 Geographic Location

Pos: 090	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

To specify the geographic place of the named party

## Syntax:

1. N406 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.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b> <b>Description:</b> Free-form text for city name	O	AN	2/30	Used
N402	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	<b>Postal Code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	<b>Country Code</b> <b>Description:</b> Code identifying the country	O	ID	2/3	Used
* N405	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location	C	ID	1/2	Not Used
* N406	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location	O	AN	1/30	Not Used

# LIN Item Identification

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

To specify basic item identification data

## Syntax:

- P0405 -- If either LIN04 or LIN05 are present, then the others are required.
- P0607 -- If either LIN06 or LIN07 are present, then the others are required.
- P0809 -- If either LIN08 or LIN09 are present, then the others are required.
- P1011 -- If either LIN10 or LIN11 are present, then the others are required.
- P1213 -- If either LIN12 or LIN13 are present, then the others are required.
- P1415 -- If either LIN14 or LIN15 are present, then the others are required.
- P1617 -- If either LIN16 or LIN17 are present, then the others are required.
- P1819 -- If either LIN18 or LIN19 are present, then the others are required.
- P2021 -- If either LIN20 or LIN21 are present, then the others are required.
- P2223 -- If either LIN22 or LIN23 are present, then the others are required.
- P2425 -- If either LIN24 or LIN25 are present, then the others are required.
- P2627 -- If either LIN26 or LIN27 are present, then the others are required.
- P2829 -- If either LIN28 or LIN29 are present, then the others are required.
- P3031 -- If either LIN30 or LIN31 are present, then the others are 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., UPC No., ISBN No., Model No., or SKU.

## 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	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
LIN02	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	M	ID	2/2	Required
		<u>Code Name</u>				
		CB Buyer's Catalog Number				
		EN European Article Number (EAN) (2-5-5-1)				
		IB International Standard Book Number (ISBN)				
		RY Record Keeping or Model Year				
		<b>Description:</b> Year of publication				
		SJ Religious Retail Non-book Item				
		SK Stock Keeping Unit (SKU)				
		UP U.P.C. Consumer Package Code (1-5-5-1)				
LIN03	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	M	AN	1/40	Required

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN04	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>User:</b> Refer to code list specified in 'LIN02' for usage.	C	ID	2/2	Used
LIN05	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN06	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>User:</b> Refer to code list specified in 'LIN02' for usage.	C	ID	2/2	Used
LIN07	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN08	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>User:</b> Refer to code list specified in 'LIN02' for usage.	C	ID	2/2	Used
LIN09	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN10	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>User:</b> Refer to code list specified in 'LIN02' for usage.	C	ID	2/2	Used
LIN11	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN12	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>User:</b> Refer to code list specified in 'LIN02' for usage.	C	ID	2/2	Used
LIN13	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN14	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>User:</b> Refer to code list specified in 'LIN02' for usage.	C	ID	2/2	Used
LIN15	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN16	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number	C	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>
		used in Product/Service ID (234)				
		<b>User:</b> Refer to code list specified in 'LIN02' for usage.				
LIN17	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN18	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<b>User:</b> Refer to code list specified in 'LIN02' for usage.				
LIN19	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN20	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<b>User:</b> Refer to code list specified in 'LIN02' for usage.				
LIN21	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN22	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<b>User:</b> Refer to code list specified in 'LIN02' for usage.				
LIN23	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN24	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<b>User:</b> Refer to code list specified in 'LIN02' for usage.				
LIN25	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN26	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<b>User:</b> Refer to code list specified in 'LIN02' for usage.				
LIN27	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN28	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<b>User:</b> Refer to code list specified in 'LIN02' for usage.				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN29	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used
LIN30	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>User:</b> <i>Refer to code list specified in 'LIN02' for usage.</i>	C	ID	2/2	Used
LIN31	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	C	AN	1/40	Used

# CTP Pricing Information

Pos: 160	Max: 25
Detail - Optional	
Loop: LIN	Elements: 11

To specify pricing information

## Syntax:

1. CTP04 P0405 -- If either CTP04 or CTP05 are present, then the others are required.
2. CTP06 C0607 -- If CTP06 is present, then CTP07 is required
3. CTP09 C0902 -- If CTP09 is present, then CTP02 is required
4. CTP10 C1002 -- If CTP10 is present, then CTP02 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.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP01	687	<b>Class of Trade Code</b> <b>Description:</b> Code indicating class of trade	O	ID	2/2	Used
		<u>Code Name</u>				
		CR Chain Store Retail				
		DI Distributor				
		GR General Retail				
		IN Institutional				
CTP02	236	<b>Price Identifier Code</b> <b>Description:</b> Code identifying pricing specification	C	ID	3/3	Used
		<u>Code Name</u>				
		NET Net Item Price				
		PRP Promotional price				
		SLP Suggested List Price				
CTP03	212	<b>Unit Price</b> <b>Description:</b> Price per unit of product, service, commodity, etc.	O	R	1/17	Used
CTP04	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	C	R	1/15	Used
CTP05	C001	<b>Composite Unit of Measure</b> <b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)	C	Comp		Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> 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>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<u>Code Name</u>				
		ST Set				
		UN Unit				
*	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Not Used
*	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</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	Not Used
*	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Not Used
*	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</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	Not Used
*	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Not Used
*	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</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	Not Used
*	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Not Used
*	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</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	Not Used
*	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Not Used
*	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
CTP06	648	<b>Price Multiplier Qualifier</b> <b>Description:</b> Code indicating the type of price multiplier	O	ID	3/3	Used
		<u>Code Name</u>				
		DIS Discount Multiplier				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP07	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	C	R	1/10	Used
* CTP08	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount	O	R	1/15	Not Used
* CTP09	639	<b>Basis of Unit Price Code</b> <b>Description:</b> Code identifying the type of unit price for an item	O	ID	2/2	Not Used
* CTP10	499	<b>Condition Value</b> <b>Description:</b> Identifies rate restrictions or provisions	O	AN	1/10	Not Used
* CTP11	289	<b>Multiple Price Quantity</b> <b>Description:</b> Quantity of units for a given price, e.g., 3 for \$10.00	O	N0	1/2	Not Used

# ZA Product Activity Reporting

Pos: 180	Max: 1
Detail - Mandatory	
Loop: ZA	Elements: 8

To provide activity details concerning product being reported

## Syntax:

- P0203 -- If either ZA02 or ZA03 are present, then the others are required.
- P0405 -- If either ZA04 or ZA05 are present, then the others are required.
- P0607 -- If either ZA06 or ZA07 are present, then the others are 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.

## 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	<b>Activity Code</b> <b>Description:</b> Code identifying activity details for the product being reported	M	ID	2/2	Required
		<u>Code Name</u>				
		Q2 Quantity Returned				
		QA Current Inventory Quantity Available for Shipment or Sale <b>Description:</b> Indicates the quantity currently available to be sold or shipped				
		QM Maximum Inventory Quantity <b>Description:</b> The maximum inventory quantity for replenishment purposes				
		QP Quantity On Order,Not Yet Received <b>Description:</b> Total quantity expected to be received from supplier for current reporting period, but not yet received				
		QS Quantity Sold				
		QT Adjustment to Inventory Quantity <b>Description:</b> The Book Industry uses this value to specify SALES adjustments to a prior period.				
		QZ Quantity Transferred				
		TS Total Sales Quantity <b>Description:</b> Total sales of product				
ZA02	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	C	R	1/15	Used
ZA03	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Used
		<u>Code Name</u>				
		UN Unit				
* ZA04	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* ZA05	373	<b>Date</b>	C	DT	6/6	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Date (YYMMDD)				
ZA06	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code Qualifying the Reference Identification <u>Code Name</u> SB Sales Region Number ST Store Number	C	ID	2/3	Used
ZA07	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>User:</b> C - College G - General K - Children's M - Mall division P - Specialty S - Superstore division W - Warehouse	C	AN	1/30	Used
* ZA08	1073	<b>Yes/No Condition or Response Code</b> <b>Description:</b> Code indicating a Yes or No condition or response	O	ID	1/1	Not Used

# SDQ Destination Quantity

Pos: 200	Max: >1
Detail - Optional	
Loop: ZA	Elements: 23

To specify destination and quantity detail

## Syntax:

1. SDQ05 P0506 -- If either SDQ05 or SDQ06 are present, then the others are required.
2. SDQ07 P0708 -- If either SDQ07 or SDQ08 are present, then the others are required.
3. SDQ09 P0910 -- If either SDQ09 or SDQ10 are present, then the others are required.
4. SDQ11 P1112 -- If either SDQ11 or SDQ12 are present, then the others are required.
5. SDQ13 P1314 -- If either SDQ13 or SDQ14 are present, then the others are required.
6. SDQ15 P1516 -- If either SDQ15 or SDQ16 are present, then the others are required.
7. SDQ17 P1718 -- If either SDQ17 or SDQ18 are present, then the others are required.
8. SDQ19 P1920 -- If either SDQ19 or SDQ20 are present, then the others are required.
9. SDQ21 P2122 -- If either SDQ21 or SDQ22 are present, then the others are 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.

## 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	<b>Composite Unit of Measure</b> <b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)	M	Comp		Required
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> 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	M	ID	2/2	Required
*	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Not Used
*	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</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	Not Used
*	1018	<b>Exponent</b>	O	R	1/15	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Power to which a unit is raised				
*	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</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	Not Used
*	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Not Used
*	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</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	Not Used
*	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Not Used
*	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
*	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</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	Not Used
*	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Not Used
*	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
SDQ02	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67) <u>Code Name</u> 15 Standard Address Number (SAN)	O	ID	1/2	Used
SDQ03	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	M	AN	2/20	Required
SDQ04	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	M	R	1/15	Required
SDQ05	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	C	AN	2/20	Used
SDQ06	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	C	R	1/15	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ07	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	C	AN	2/20	Used
SDQ08	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	C	R	1/15	Used
SDQ09	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	C	AN	2/20	Used
SDQ10	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	C	R	1/15	Used
SDQ11	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	C	AN	2/20	Used
SDQ12	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	C	R	1/15	Used
SDQ13	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	C	AN	2/20	Used
SDQ14	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	C	R	1/15	Used
SDQ15	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	C	AN	2/20	Used
SDQ16	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	C	R	1/15	Used
SDQ17	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	C	AN	2/20	Used
SDQ18	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	C	R	1/15	Used
SDQ19	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	C	AN	2/20	Used
SDQ20	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	C	R	1/15	Used
SDQ21	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	C	AN	2/20	Used
SDQ22	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	C	R	1/15	Used
* SDQ23	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location	O	AN	1/30	Not Used

# CTT Transaction Totals

Pos: 210	Max: 1
Summary - Optional	
Loop: N/A	Elements: 7

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

## Syntax:

P0304 -- If either CTT03 or CTT04 are present, then the others are required.

P0506 -- If either CTT05 or CTT06 are present, then the others are required.

## Comments:

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

## 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	<b>Number of Line Items</b> <b>Description:</b> Total number of line items in the transaction set	M	N0	1/6	Required
* CTT02	347	<b>Hash Total</b> <b>Description:</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.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.	O	R	1/10	Not Used
* CTT03	81	<b>Weight</b> <b>Description:</b> Numeric value of weight	C	R	1/10	Not Used
* CTT04	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Not Used
* CTT05	183	<b>Volume</b> <b>Description:</b> Value of volumetric measure	C	R	1/8	Not Used
* CTT06	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Not Used
* CTT07	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	O	AN	1/80	Not Used

# SE Transaction Set Trailer

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

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

**Comments:**

- SE is the last segment of each 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>
SE01	96	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Required
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</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	Required