

852 Product Activity Data

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852

Product Activity Data

Functional Group=PD

Purpose: 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, but not in both.

- 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.

ST Transaction Set Header

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

User Option (Usage): Required

Purpose: 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	M	ID	3/3	Required

Description: Code uniquely identifying a Transaction Set

Code Name

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ST02	329	Transaction Set Control Number	M	AN	4/9	Required
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

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

Purpose: 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	M	ID	1/2	Required

Description: Code designating the action to be taken by all parties

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	M	DT	8/8	Required
------	-----	------	---	----	-----	----------

Description: Date expressed as CCYYMMDD

User: *Start Date*

XQ03	373	Date	M	DT	8/8	Required
------	-----	------	---	----	-----	----------

Description: Date expressed as CCYYMMDD

User: *End Date*

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: 7

User Option (Usage): Used

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

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

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: 9

User Option (Usage): Used

Purpose: 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	M	ID	2/2	Required
		Description: Code identifying the major duty or responsibility of the person or group named				
		<u>Code</u> <u>Name</u>				
		IC Information Contact				
PER02	93	Name	O	AN	1/35	Used
		Description: Free-form name				
PER03	365	Communication Number Qualifier	C	ID	2/2	Used
		Description: Code identifying the type of communication number				
		<u>Code</u> <u>Name</u>				
		BN Beeper Number				
		CP Cellular Phone				
		EM Electronic Mail				
		EX Telephone Extension				
		FX Facsimile				
		TE Telephone				
		TM Telemail				
PER04	364	Communication Number	C	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER05	365	Communication Number Qualifier	C	ID	2/2	Used
		Description: Code identifying the type of communication number				
		User: Refer to code list specified in 'PER03' for usage.				
PER06	364	Communication Number	C	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER07	365	Communication Number Qualifier	C	ID	2/2	Used
		Description: Code identifying the type of communication number				
		User: Refer to code list specified in 'PER03' for usage.				
PER08	364	Communication Number	C	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
* PER09	443	Contact Inquiry Reference	O	AN	1/20	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>
Description: Additional reference number or description to clarify a contact number						

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 Name

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

User Option (Usage): Used

Purpose: 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: 6

User Option (Usage): Used

Purpose: 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	M	ID	2/2	Required																		
Description: Code identifying an organizational entity, a physical location, or an individual																								
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BS</td><td>Bill and Ship To</td></tr><tr><td>BT</td><td>Bill-to-Party</td></tr><tr><td>RL</td><td>Reporting Location</td></tr><tr><td>SF</td><td>Ship From</td></tr><tr><td colspan="2">User:</td></tr><tr><td colspan="2">Use only when the ship from is different than the reporting location, such as a drop shipment.</td></tr><tr><td>ST</td><td>Ship To</td></tr><tr><td>VN</td><td>Vendor</td></tr></table>							<u>Code</u>	<u>Name</u>	BS	Bill and Ship To	BT	Bill-to-Party	RL	Reporting Location	SF	Ship From	User:		Use only when the ship from is different than the reporting location, such as a drop shipment.		ST	Ship To	VN	Vendor
<u>Code</u>	<u>Name</u>																							
BS	Bill and Ship To																							
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RL	Reporting Location																							
SF	Ship From																							
User:																								
Use only when the ship from is different than the reporting location, such as a drop shipment.																								
ST	Ship To																							
VN	Vendor																							
N102	93	Name	C	AN	1/35	Used																		
Description: Free-form name																								
N103	66	Identification Code Qualifier	C	ID	1/2	Used																		
Description: Code designating the system/method of code structure used for Identification Code (67)																								
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>15</td><td>Standard Address Number (SAN)</td></tr><tr><td>91</td><td>Assigned by Seller or Seller's Agent</td></tr></table>							<u>Code</u>	<u>Name</u>	15	Standard Address Number (SAN)	91	Assigned by Seller or Seller's Agent												
<u>Code</u>	<u>Name</u>																							
15	Standard Address Number (SAN)																							
91	Assigned by Seller or Seller's Agent																							
N104	67	Identification Code	C	AN	2/20	Used																		
Description: Code identifying a party or other code																								
* N105	706	Entity Relationship Code	O	ID	2/2	Not Used																		
Description: Code describing entity relationship																								
* N106	98	Entity Identifier Code	O	ID	2/2	Not Used																		
Description: Code identifying an organizational entity, a physical location, or an individual																								

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	Name	M	AN	1/35	Required
		Description: Free-form name				
N202	93	Name	O	AN	1/35	Used
		Description: Free-form name				

N3 Address Information

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

User Option (Usage): Used
Purpose: 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	M	AN	1/35	Required
		Description: Address information				
N302	166	Address Information	O	AN	1/35	Used
		Description: Address information				

N4 Geographic Location

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

User Option (Usage): Used

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

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 Item Identification

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

User Option (Usage): Required

Purpose: 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

Purpose: To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN01	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Required
		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)			
			User:			
			ISBN-10			
		RY	Record Keeping or Model Year			
			Description: Year of publication			
		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			
		UP	U.P.C. Consumer Package Code (1-5-5-1)			
LIN03	234	Product/Service ID	M	AN	1/40	Required
		Description: Identifying number for a product or service				
LIN04	235	Product/Service ID Qualifier	C	ID	2/2	Used
		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.				
LIN05	234	Product/Service ID	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN06	235	Product/Service ID Qualifier	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>
		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.				
LIN07	234	Product/Service ID	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN08	235	Product/Service ID Qualifier	C	ID	2/2	Used
		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	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN10	235	Product/Service ID Qualifier	C	ID	2/2	Used
		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.				
LIN11	234	Product/Service ID	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN12	235	Product/Service ID Qualifier	C	ID	2/2	Used
		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.				
LIN13	234	Product/Service ID	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN14	235	Product/Service ID Qualifier	C	ID	2/2	Used
		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.				
LIN15	234	Product/Service ID	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN16	235	Product/Service ID Qualifier	C	ID	2/2	Used
		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.				
LIN17	234	Product/Service ID	C	AN	1/40	Used
		Description: Identifying number for a product or service				
LIN18	235	Product/Service ID Qualifier	C	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
User: Refer to code list specified in 'LIN02' for usage.						
LIN19	234	Product/Service ID	C	AN	1/40	Used
Description: Identifying number for a product or service						
LIN20	235	Product/Service ID Qualifier	C	ID	2/2	Used
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.						
LIN21	234	Product/Service ID	C	AN	1/40	Used
Description: Identifying number for a product or service						
LIN22	235	Product/Service ID Qualifier	C	ID	2/2	Used
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.						
LIN23	234	Product/Service ID	C	AN	1/40	Used
Description: Identifying number for a product or service						
LIN24	235	Product/Service ID Qualifier	C	ID	2/2	Used
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.						
LIN25	234	Product/Service ID	C	AN	1/40	Used
Description: Identifying number for a product or service						
LIN26	235	Product/Service ID Qualifier	C	ID	2/2	Used
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.						
LIN27	234	Product/Service ID	C	AN	1/40	Used
Description: Identifying number for a product or service						
LIN28	235	Product/Service ID Qualifier	C	ID	2/2	Used
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.						
LIN29	234	Product/Service ID	C	AN	1/40	Used
Description: Identifying number for a product or service						
LIN30	235	Product/Service ID Qualifier	C	ID	2/2	Used
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.						
LIN31	234	Product/Service ID	C	AN	1/40	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Description: Identifying number for a product or service

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: 11

User Option (Usage): Used

Purpose: 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	O	ID	2/2	Used

Description: Code indicating class of trade

Code Name

CR	Chain Store Retail
DI	Distributor
GR	General Retail
IN	Institutional
MF	Manufacturer

User:

Used to specify a shipment on behalf of a publisher to a publisher's customer

RS	Resale
WH	Wholesaler

User:

Used to specify a transfer within the same organization

CTP02	236	Price Identifier Code	C	ID	3/3	Used
-------	-----	------------------------------	---	----	-----	------

Description: Code identifying pricing specification

Code Name

NET	Net Item Price
PRP	Promotional price
SLP	Suggested List Price

CTP03	212	Unit Price	O	R	1/17	Used
-------	-----	-------------------	---	---	------	------

Description: Price per unit of product, service, commodity, etc.

CTP04	380	Quantity	C	R	1/15	Used
-------	-----	-----------------	---	---	------	------

Description: Numeric value of quantity

CTP05	C001	Composite Unit of Measure	C	Comp		Used
-------	------	----------------------------------	---	------	--	------

Description: To identify a composite unit of measure(See Figures Appendix for examples of use)

355	Unit or Basis for Measurement Code	M	ID	2/2	Required
-----	---	---	----	-----	----------

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

*	1018	Exponent	O	R	1/15	Not Used
		Description: Power to which a unit is raised				
*	649	Multiplier	O	R	1/10	Not Used
		Description: Value to be used as a multiplier to obtain a new value				
*	355	Unit or Basis for Measurement Code	O	ID	2/2	Not Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	Exponent	O	R	1/15	Not Used
		Description: Power to which a unit is raised				
*	649	Multiplier	O	R	1/10	Not Used
		Description: Value to be used as a multiplier to obtain a new value				
*	355	Unit or Basis for Measurement Code	O	ID	2/2	Not Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	Exponent	O	R	1/15	Not Used
		Description: Power to which a unit is raised				
*	649	Multiplier	O	R	1/10	Not Used
		Description: Value to be used as a multiplier to obtain a new value				
*	355	Unit or Basis for Measurement Code	O	ID	2/2	Not Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	Exponent	O	R	1/15	Not Used
		Description: Power to which a unit is raised				
*	649	Multiplier	O	R	1/10	Not Used
		Description: Value to be used as a multiplier to obtain a new value				
*	355	Unit or Basis for Measurement Code	O	ID	2/2	Not Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	Exponent	O	R	1/15	Not Used
		Description: Power to which a unit is raised				
*	649	Multiplier	O	R	1/10	Not Used
		Description: Value to be used as a multiplier to obtain a new value				
CTP06	648	Price Multiplier Qualifier	O	ID	3/3	Used
		Description: Code indicating the type of price multiplier				
		Code Name				
		DIS Discount Multiplier				

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

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.

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: 7

User Option (Usage): Used

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

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 Product Activity Reporting

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

User Option (Usage): Required

Purpose: 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: 8

User Option (Usage): Required

Purpose: 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	M	ID	2/2	Required
Description: Code identifying activity details for the product being reported						
<u>Code</u> <u>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						
Description: The Book Industry uses this value to specify SALES adjustments to a prior period.						
QX Quantity Requested (Will Override Replenishment Planning)						
QZ Quantity Transferred						
ZA02	380	Quantity	C	R	1/15	Used
Description: Numeric value of quantity						
ZA03	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<u>Code</u> <u>Name</u>						
UN Unit						
ZA04	374	Date/Time Qualifier	C	ID	3/3	Used
Description: Code specifying type of date or time, or both date and time						
<u>Code</u> <u>Name</u>						
007 Effective						
011 Shipped						
ZA05	373	Date	M	DT	8/8	Required
Description: Date expressed as CCYYMMDD						
ZA06	128	Reference Identification Qualifier	C	ID	2/3	Used
Description: Code Qualifying the Reference Identification						

<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</u> <u>Name</u>				
		SB Sales Region Number				
		ST Store Number				
ZA07	127	Reference Identification	C	AN	1/30	Used
		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 M - Mall division P - Specialty S - Superstore division W - Warehouse				
* ZA08	1073	Yes/No Condition or Response Code	O	ID	1/1	Not Used
		Description: Code indicating a Yes or No condition or response				

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: 23

User Option (Usage): Used

Purpose: 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	355	Unit or Basis for Measurement Code	M	ID	2/2	Required
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
SDQ02	66	Identification Code Qualifier	O	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		<u>Code</u> <u>Name</u>				
		15 Standard Address Number (SAN)				
SDQ03	67	Identification Code	M	AN	2/20	Required
		Description: Code identifying a party or other code				
SDQ04	380	Quantity	M	R	1/15	Required
		Description: Numeric value of quantity				
SDQ05	67	Identification Code	C	AN	2/20	Used
		Description: Code identifying a party or other code				
SDQ06	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ07	67	Identification Code	C	AN	2/20	Used
		Description: Code identifying a party or other code				
SDQ08	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ09	67	Identification Code	C	AN	2/20	Used
		Description: Code identifying a party or other code				
SDQ10	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ11	67	Identification Code	C	AN	2/20	Used
		Description: Code identifying a party or other code				
SDQ12	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ13	67	Identification Code	C	AN	2/20	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				
SDQ14	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ15	67	Identification Code	C	AN	2/20	Used
		Description: Code identifying a party or other code				
SDQ16	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ17	67	Identification Code	C	AN	2/20	Used
		Description: Code identifying a party or other code				
SDQ18	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ19	67	Identification Code	C	AN	2/20	Used
		Description: Code identifying a party or other code				
SDQ20	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				
SDQ21	67	Identification Code	C	AN	2/20	Used
		Description: Code identifying a party or other code				
SDQ22	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				
* SDQ23	310	Location Identifier	O	AN	1/30	Not Used
		Description: Code which identifies a specific location				

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: 7

User Option (Usage): Required

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

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

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)

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	M	N0	1/10	Required
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	M	AN	4/9	Required
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Comments:

1. SE is the last segment of each transaction set.

Appendix

All Included Elements in All Included Segments

<u>Id</u>	<u>Elements</u>	<u>Used in Segments</u>
C001	Composite Unit of Measure	CTP
19	City Name	N4
26	Country Code	N4
66	Identification Code Qualifier	N1, SDQ
67	Identification Code	N1, SDQ
93	Name	N1, N2, PER
96	Number of Included Segments	SE
98	Entity Identifier Code	N1
116	Postal Code	N4
127	Reference Identification	N9, ZA
128	Reference Identification Qualifier	N9, ZA
143	Transaction Set Identifier Code	ST
156	State or Province Code	N4
166	Address Information	N3
212	Unit Price	CTP
234	Product/Service ID	LIN
235	Product/Service ID Qualifier	LIN
236	Price Identifier Code	CTP
305	Transaction Handling Code	XQ
329	Transaction Set Control Number	SE, ST
350	Assigned Identification	LIN
354	Number of Line Items	CTT
355	Unit or Basis for Measurement Code	CTP, ZA
364	Communication Number	PER
365	Communication Number Qualifier	PER
366	Contact Function Code	PER
373	Date	N9, XQ, ZA
374	Date/Time Qualifier	ZA
380	Quantity	CTP, SDQ, ZA
648	Price Multiplier Qualifier	CTP
649	Multiplier	CTP
687	Class of Trade Code	CTP
859	Activity Code	ZA