852 Product Activity Data

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Functional Group ID=PD

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Introduction:

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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	XQ	Reporting Date/Action	M	1		
M	040	N9	Reference Identification	M	>1		
			LOOP ID - N1			200	
M	060	N1	Name	M	1		n1

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			999999	
M	010	LIN	Item Identification	M	1		
	020	CTP	Pricing Information	O	25		
			LOOP ID - ZA			>1	
M	080	ZA	Product Activity Reporting	M	1		n2
M	110	SDQ	Destination Quantity	M	100		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	CTT	Transaction Totals	M	1		n3
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. 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. 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. 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.

	Segment:	**ST** Transaction Set Header
	Position:	010
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the start of a transaction set and to assign a control number
	Syntax Notes:	
	Semantic Notes:	1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			852 Product Activity Data		
M	ST02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

Segment:	**XQ** Reporting Date/Action			
Position:	020			
Loop:				
Level:	Heading			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To specify reporting date and action to be taken			
Syntax Notes:				
Semantic Notes:	1	XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ03 is the end date.		
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	XQ01	305	**Transaction Handling Code**	M	ID 1/2
			Code designating the action to be taken by all parties		
			H　　　　　Notification Only		
M	XQ02	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
			Start Date		
M	XQ03	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
			End Date		

Segment:	**N9** Reference Identification				

Segment: **N9** Reference Identification
Position: 040
Loop:
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
   1   At least one of N902 or N903 is required.
   2   If N906 is present, then N905 is required.
   3   If either C04003 or C04004 is present, then the other is required.
   4   If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
   1   N906 reflects the time zone which the time reflects.
   2   N907 contains data relating to the value cited in N902.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			DP Department Number		
			IA Internal Vendor Number		
M	N902	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment:	**N1** Name				
Position:	060				
Loop:	N1 Mandatory				
Level:	Heading				
Usage:	Mandatory				
Max Use:	1				
Purpose:	To identify a party by type of organization, name, and code				
Syntax Notes:	1	At least one of N102 or N103 is required.			
	2	If either N103 or N104 is present, then the other is required.			
Semantic Notes:					
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.			
	2	N105 and N106 further define the type of entity in N101.			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			RL Reporting Location		
M	**N102**	**93**	**Name**	**M**	**AN 1/60**
			Free-form name		

	Segment:	**LIN** Item Identification
	Position:	010
	Loop:	LIN Mandatory
	Level:	Detail
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To specify basic item identification data

Syntax Notes:	**1**	If either LIN04 or LIN05 is present, then the other is required.
	2	If either LIN06 or LIN07 is present, then the other is required.
	3	If either LIN08 or LIN09 is present, then the other is required.
	4	If either LIN10 or LIN11 is present, then the other is required.
	5	If either LIN12 or LIN13 is present, then the other is required.
	6	If either LIN14 or LIN15 is present, then the other is required.
	7	If either LIN16 or LIN17 is present, then the other is required.
	8	If either LIN18 or LIN19 is present, then the other is required.
	9	If either LIN20 or LIN21 is present, then the other is required.
	10	If either LIN22 or LIN23 is present, then the other is required.
	11	If either LIN24 or LIN25 is present, then the other is required.
	12	If either LIN26 or LIN27 is present, then the other is required.
	13	If either LIN28 or LIN29 is present, then the other is required.
	14	If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:	**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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	LIN02	235	**Product/Service ID Qualifier**	**M**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			VA Vendor's Style Number		
M	LIN03	234	**Product/Service ID**	**M**	**AN 1/48**
			Identifying number for a product or service		
	LIN04	235	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			VE Vendor Color		
	LIN05	234	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
	LIN06	235	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			SZ Vendor Alphanumeric Size Code (NRMA)		
	LIN07	234	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
	LIN08	235	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			IT Buyer's Style Number		
	LIN09	234	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
	LIN10	235	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			UP U.P.C. Consumer Package Code (1-5-5-1)		
	LIN11	234	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		

Segment:	**CTP** Pricing Information	
Position:	020	
Loop:	LIN Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	25	
Purpose:	To specify pricing information	
Syntax Notes:	1	If either CTP04 or CTP05 is present, then the other is required.
	2	If CTP06 is present, then CTP07 is required.
	3	If CTP09 is present, then CTP02 is required.
	4	If CTP10 is present, then CTP02 is required.
	5	If CTP11 is present, then CTP03 is required.
Semantic Notes:	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. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
CTP02	**236**	**Price Identifier Code**	**X**	**ID 3/3**
		Code identifying pricing specification		
		PRP Promotional price		
		RES Resale		
		UCP Unit cost price		
CTP03	**212**	**Unit Price**	**X**	**R 1/17**
		Price per unit of product, service, commodity, etc.		

	Segment:	**ZA** Product Activity Reporting
	Position:	080
	Loop:	ZA Mandatory
	Level:	Detail
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To provide activity details concerning product being reported
	Syntax Notes:	1 If either ZA02 or ZA03 is present, then the other is required.
		2 If either ZA04 or ZA05 is present, then the other is required.
		3 If either ZA06 or ZA07 is present, then the other is required.
	Semantic Notes:	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.
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	ZA01	859	**Activity Code**	M ID 2/2

Code identifying activity details for the product being reported

Q1	Quantity Sold (Net)	
QA	Current Inventory Quantity Available for Shipment or Sale	
	Indicates the quantity currently available to be sold or shipped	
QC	Quantity Committed	
	Quantity reserved for orders not shipped	
QD	Additional Demand Quantity	
QL	Minimum Inventory Quantity	
	The minimum inventory quantity for replenishment purposes	
QM	Maximum Inventory Quantity	
	The maximum inventory quantity for replenishment purposes	
QN	Planned Inventory Quantity	
	To define the planned inventory quantity for replenishment purposes	

			Segment:	**SDQ** Destination Quantity

Segment: **SDQ** Destination Quantity
Position: 110
Loop: ZA   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 100
Purpose: To specify destination and quantity detail
Syntax Notes: 1   If either SDQ05 or SDQ06 is present, then the other is required.
 2   If either SDQ07 or SDQ08 is present, then the other is required.
 3   If either SDQ09 or SDQ10 is present, then the other is required.
 4   If either SDQ11 or SDQ12 is present, then the other is required.
 5   If either SDQ13 or SDQ14 is present, then the other is required.
 6   If either SDQ15 or SDQ16 is present, then the other is required.
 7   If either SDQ17 or SDQ18 is present, then the other is required.
 8   If either SDQ19 or SDQ20 is present, then the other is required.
 9   If either SDQ21 or SDQ22 is present, then the other is required.
Semantic Notes: 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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	SDQ01	355	**Unit or Basis for Measurement Code**	M	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA Each		
M	SDQ02	66	**Identification Code Qualifier**	M	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			92 Assigned by Buyer or Buyer's Agent		
M	SDQ03	67	**Identification Code**	M	**AN 2/80**
			Code identifying a party or other code		
			Gordmans 4 digit store number.		
M	SDQ04	380	**Quantity**	M	**R 1/15**
			Numeric value of quantity		
	SDQ05	67	**Identification Code**	O	**AN 2/80**
			Code identifying a party or other code		
	SDQ06	380	**Quantity**	C	**R 1/15**
			Numeric value of quantity		
	SDQ07	67	**Identification Code**	O	**AN 2/80**
			Code identifying a party or other code		
	SDQ08	380	**Quantity**	C	**R 1/15**
			Numeric value of quantity		
	SDQ09	67	**Identification Code**	O	**AN 2/80**
			Code identifying a party or other code		
	SDQ10	380	**Quantity**	C	**R 1/15**
			Numeric value of quantity		
	SDQ11	67	**Identification Code**	O	**AN 2/80**
			Code identifying a party or other code		
	SDQ12	380	**Quantity**	C	**R 1/15**
			Numeric value of quantity		
	SDQ13	67	**Identification Code**	O	**AN 2/80**
			Code identifying a party or other code		
	SDQ14	380	**Quantity**	C	**R 1/15**

		Numeric value of quantity		
SDQ15	**67**	**Identification Code**	**O**	**AN 2/80**
		Code identifying a party or other code		
SDQ16	**380**	**Quantity**	**C**	**R 1/15**
		Numeric value of quantity		
SDQ17	**67**	**Identification Code**	**O**	**AN 2/80**
		Code identifying a party or other code		
SDQ18	**380**	**Quantity**	**C**	**R 1/15**
		Numeric value of quantity		
SDQ19	**67**	**Identification Code**	**O**	**AN 2/80**
		Code identifying a party or other code		
SDQ20	**380**	**Quantity**	**C**	**R 1/15**
		Numeric value of quantity		
SDQ21	**67**	**Identification Code**	**O**	**AN 2/80**
		Code identifying a party or other code		
SDQ22	**380**	**Quantity**	**C**	**R 1/15**
		Numeric value of quantity		

Segment:		**CTT** Transaction Totals			
Position:		010			
Loop:					
Level:		Summary			
Usage:		Mandatory			
Max Use:		1			
Purpose:		To transmit a hash total for a specific element in the transaction set			
Syntax Notes:		**1**	If either CTT03 or CTT04 is present, then the other is required.		
		2	If either CTT05 or CTT06 is present, then the other is required.		
Semantic Notes:					
Comments:		**1**	This segment is intended to provide hash totals to validate transaction completeness and correctness.		

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Data Element Summary

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

Segment: SE Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
M	SE02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		