

852 Product Activity Data

Functional Group ID=**PD**

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.

Notes:

This document identifies the AAFES business requirements for the 852, Product Activity Data, in support of the Warehouse Vendor Managed Inventory Program. Segments that are required by AAFES, but not required by the standards, are marked "RECOMMENDED." Elements marked "R" are required by AAFES and will always be transmitted. All elements marked ">>" are required by the standards. All unmarked segments & elements may be transmitted as necessary.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3	010	ST	Transaction Set Header	M	1		
4	020	XQ	Reporting Date/Action	M	1		
5	030	XPO	Preassigned Purchase Order Numbers	O	>1		
Not Used	040	N9	Reference Identification	O	>1		
Not Used	050	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
6	060	N1	Name	O	1		n1
Not Used	070	N2	Additional Name Information	O	1		
Not Used	080	N3	Address Information	O	2		
Not Used	090	N4	Geographic Location	O	1		
Not Used	100	FOB	F.O.B. Related Instructions	O	1		
Not Used	110	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
Not Used	120	DTM	Date/Time Reference	O	>1		
Not Used	130	N9	Reference Identification	O	>1		
Not Used	140	PER	Administrative Communications Contact	O	3		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - LIN						999999	
7	010	LIN	Item Identification	O	1		
Not Used	020	CTP	Pricing Information	O	25		
Not Used	030	PO4	Item Physical Details	O	1		
Not Used	040	N9	Reference Identification	O	>1		
Not Used	050	AMT	Monetary Amount	O	10		
Not Used	060	PAL	Pallet Information	O	1		
Not Used	070	QTY	Quantity	O	1		

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LOOP ID - ZA			>1			
8	080	ZA	Product Activity Reporting	M	1	n2
Not Used	090	QTY	Quantity	O	1	n3
Not Used	100	CTP	Pricing Information	O	25	
Not Used	110	SDQ	Destination Quantity	O	>1	
LOOP ID - G95			1			
Not Used	120	G95	Performance Requirements	O	1	
Not Used	130	DTM	Date/Time Reference	O	2	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
9	010	CTT	Transaction Totals	O	1		n4
10	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 QTY segment in the ZA loop is only used to provide the number of orders associated with the quantity in the ZA segment, or the total of quantities in the SDQ segments for the activity. The only allowable code value is OC = Order Count.
4. 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.

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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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	ST01	143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
		852 Product Activity Data	
>>	ST02	329 Transaction Set Control Number 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

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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
>> XQ01	305	Transaction Handling Code Code designating the action to be taken by all parties G Plan Order(s) and Ship Product H Notification Only Will only be utilized when testing.	M ID 1/2
>> XQ02	373	Date Date expressed as CCYYMMDD Reporting date.	M DT 8/8
XQ03	373	Date Date expressed as CCYYMMDD End date if date range. Will not be transmitted on daily transmissions.	O DT 8/8

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Segment: XPO Preassigned Purchase Order Numbers
Position: 030
Loop:
Level: Heading
Usage: Optional (Recommended)
Max Use: >1
Purpose: To transmit preassigned purchase order numbers
Syntax Notes: 1 If either XPO03 or XPO04 is present, then the other is required.
Semantic Notes: 1 XPO01 is the preassigned purchase order number. If a range of purchase order numbers is to be transmitted, use XPO01 for the first number and XPO02 as the ending number.
Comments: 1 XPO03 and XPO04 specify the location to which the purchase order numbers apply.
Notes: **Purchase order numbers are transmitted with each 852 Product Activity transmission. Purchase order numbers can be used once only. With the receipt of new purchase order numbers, previously received/unused purchase order numbers should be discarded.**

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	XPO01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser Beginning purchase order number.	M AN 1/22
R	XPO02	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser Ending purchase order number.	O AN 1/22

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- Segment:** N1 Name
- Position:** 060
- Loop:** N1 Optional (Recommended)
- Level:** Heading
- Usage:** Optional (Recommended)
- 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.	Data	Name		Attributes
<u>Des.</u>	<u>Element</u>			
>>	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			RL Reporting Location	
			ST Ship To	
R	N102	93	Name	X AN 1/60
			Free-form name	
R	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		92	Assigned by Buyer or Buyer's Agent	
R	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	

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- Segment:** **LIN** Item Identification
- Position:** 010
- Loop:** LIN Optional (Recommended)
- Level:** Detail
- Usage:** Optional (Recommended)
- 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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	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)	
		EN European Article Number (EAN) (2-5-5-1)	
		UP U.P.C. Consumer Package Code (1-5-5-1)	
>>	LIN03	234 Product/Service ID	M AN 1/48
		Identifying number for a product or service	

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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:
Notes: **AAFES may send a maximum of six ZA loops. The QX loop will only be utilized for promotions.**

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
>>	ZA01	859	Activity Code	M ID 2/2
			Code identifying activity details for the product being reported	
		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	
		QO	Quantity Out of Stock	
		QP	Quantity On Order, Not Yet Received	
			Total quantity expected to be received from supplier for current reporting period, but not yet received	
		QS	Quantity Sold	
		QX	Quantity Requested (Will Override Replenishment Planning)	
R	ZA02	380	Quantity	X R 1/15
			Numeric value of quantity	
R	ZA03	355	Unit or Basis for Measurement Code	X 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	
R	ZA04	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
		007	Effective	
		028	Promotion Requested Delivery - End	
		173	Week Ending	
R	ZA05	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

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

Data Element Summary

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

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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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
>>	SE02	329	Transaction Set Control Number 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