852   Product Activity Data

VERSION: ANSI X-12 004010

Author: **Family Dollar Stores**

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. A distributor, warehouse, or retailer to advise a trading partner of inventory, sales, and other product activity information can use the transaction set. 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	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	XQ	Reporting Date/Action	M	1			Must use
040	N9	Reference Identification	O	>1			Used
LOOP ID - N1					**200**		
060	N1	Name	O	1		N1/060	Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - LIN					**999999**		
010	LIN	Item Identification	O	1			Used
030	PO4	Item Physical Details	O	1			Used
LOOP ID - ZA					**>1**		
080	ZA	Product Activity Reporting	M	1		N2/080	Must use
110	SDQ	Destination Quantity	O	>1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use

ST　　Transaction Set Header

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use
		Description: Code uniquely identifying a Transaction Set				
		All valid standard codes are used.				
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

XQ   Reporting Date/Action

To specify reporting date and action to be taken

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
XQ01	**305**	**Transaction Handling Code** **Description:** Code designating the action to be taken by all parties	**M**	**ID**	**1/2**	**Must use**
XQ02	**373**	**Date** **Description:** Date expressed as CCYYMMDD	**M**	**DT**	**8/8**	**Must use**

Code	Name
G	Plan Order(s) and Ship Product

N9 Reference Identification

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
VR	Vendor ID Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

N1   Name

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use

Code	Name
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name** **Description:** Free-form name	C	AN	1/60	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67)	C	ID	1/2	Used

Code	Name
1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code** **Description:** Code identifying a party or other code	C	AN	2/80	Used

LIN   Item Identification

To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code	Name
UA	U.P.C./EAN Case Code (2-5-5)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN03	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

PO4   Item Physical Details

To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO401	356	Pack	O	N0	1/6	Used

Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container

ZA   Product Activity Reporting

Pos: 080   Max: 1
Detail - Mandatory
Loop: ZA   Elements: 1

To provide activity details concerning product being reported

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ZA01	**859**	**Activity Code**	**M**	**ID**	**2/2**	**Must use**

Description: Code identifying activity details for the product being reported

Code	Name
QA	Current Inventory Quantity Available for Shipment or Sale
QO	Quantity Out of Stock
QP	Quantity On Order, Not Yet Received
QS	Quantity Sold

SDQ   Destination Quantity

To specify destination and quantity detail

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ01	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2	Must use

	Code	Name
	CA	Case

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ02	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67)	O	ID	1/2	Used

	Code	Name
	92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ03	67	**Identification Code** **Description:** Code identifying a party or other code Family Dollar 4 Digit Distribution Center	M	AN	2/10	Must use
SDQ04	380	**Quantity** **Description:** Numeric value of quantity	M	R	1/15	Must use
SDQ05	67	**Identification Code** **Description:** Code identifying a party or other code Family Dollar 4 Digit Distribution Center	C	AN	2/10	Used
SDQ06	380	**Quantity** **Description:** Numeric value of quantity	C	R	1/15	Used
SDQ07	67	**Identification Code** **Description:** Code identifying a party or other code Family Dollar 4 Digit Distribution Center	C	AN	2/10	Used
SDQ08	380	**Quantity** **Description:** Numeric value of quantity	C	R	1/15	Used
SDQ09	67	**Identification Code** **Description:** Code identifying a party or other code Family Dollar 4 Digit Distribution Center	C	AN	2/10	Used
SDQ10	380	**Quantity** **Description:** Numeric value of quantity	C	R	1/15	Used
SDQ11	67	**Identification Code** **Description:** Code identifying a party or other code Family Dollar 4 Digit Distribution Center	C	AN	2/10	Used
SDQ12	380	**Quantity** **Description:** Numeric value of quantity	C	R	1/15	Used
SDQ13	67	**Identification Code**	C	AN	2/10	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Code identifying a party or other code				
		Family Dollar 4 Digit Distribution Center				
SDQ14	380	**Quantity**	C	R	1/15	Used
		Description: Numeric value of quantity				

CTT　　Transaction Totals

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use
		Description: Total number of line items in the transaction set				
CTT02	347	**Hash Total**	O	R	1/10	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 beinghashed..18 Second occurrence of value beinghashed.1.8 Third occurrence of value beinghashed.18.01 Fourth occurrence of value beinghashed.---------1855 Hash total prior to truncation.855 Hash total after truncation tothree-digit field.				

SE   **Transaction Set Trailer**

<div align="right">

Pos: 020   Max: 1
Summary - Mandatory
Loop: N/A   Elements: 2

</div>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	**96**	**Number of Included Segments** **Description:** Total number of segments included in a transaction set including ST and SE segments	**M**	**N0**	**1/10**	**Must use**
SE02	**329**	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M**	**AN**	**4/9**	**Must use**

852   Product Activity Data (Pre-Assigned PO Block)

VERSION: ANSI X-12 004010

Author: Family Dollar Stores, Inc.

852   **Product Activity Data**

Functional Group=**PD**

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Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	XQ	Reporting Date/Action	M	1			Must use
0300	XPO	Preassigned Purchase Order Numbers	O	>1			Used

LOOP ID - N1					200		
0600	N1	Name	O	1		N1/0600	Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0200	SE	Transaction Set Trailer	M	1			Must use

Notes:

1/0600   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).

ST   Transaction Set Header

<div style="border:1px solid black">

Pos: 0100   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 2

</div>

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	**Must use**
		Description: Code uniquely identifying a Transaction Set				
		All valid standard codes are used.				
ST02	329	**Transaction Set Control Number**	M	AN	4/9	**Must use**
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

XQ   Reporting Date/Action

To specify reporting date and action to be taken

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
XQ01	**305**	**Transaction Handling Code** **Description:** Code designating the action to be taken by all parties	**M**	**ID**	**1/2**	**Must use**

		Code **Name**				
		H Notification Only				

Ref	Id	Element Name	Req	Type	Min/Max	Usage
XQ02	**373**	**Date** **Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**M**	**DT**	**8/8**	**Must use**
XQ03	**373**	**Date** **Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**O**	**DT**	**8/8**	**Used**

XPO **Preassigned Purchase Order Numbers**

<div>
Pos: 0300   Max: >1
Heading - Optional
Loop: N/A   Elements: 2
</div>

To transmit preassigned purchase order numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
XPO01	**324**	**Purchase Order Number** **Description:** Identifying number for Purchase Order assigned by the orderer/purchaser	**M**	**AN**	**1/12**	**Must use**
XPO02	**324**	**Purchase Order Number** **Description:** Identifying number for Purchase Order assigned by the orderer/purchaser	**O**	**AN**	**1/12**	**Used**

Comments:

1. XPO03 and XPO04 specify the location to which the purchase order numbers apply.

N1   Name

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use

	Code	Name
	ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name** **Description:** Free-form name	C	AN	1/60	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67)	C	ID	1/2	Used

	Code	Name
	1	D-U-N-S Number, Dun & Bradstreet
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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.

SE Transaction Set Trailer

<div style="text-align:right">

Pos: 0200   Max: 1
Summary - Mandatory
Loop: N/A   Elements: 2

</div>

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Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments** **Description:** Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Comments:

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