



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.

NOTE:

Walgreens provides product activity data for either production movement from the stores or for warehouse withdrawal. Partners are required to assist in cost recovery for the expenses associated with this transaction set as follows:

| | |
|--------------------------------------|--|
| Initial set-up and activation cost: | \$1,500 --Warehouse or POS data |
| | \$2,500 – Warehouse and POS data |
| Change to initial set-up: | \$1,500 – Warehouse or POS data |
| Ongoing transmission & support cost: | \$0.18/kilocharacter, deducted monthly |

Recovery of cost as outlined above will be deducted immediately each month from any outstanding amounts due to vendor. Vendor will receive an "Invoice/Debit Memo" notice referencing this deduction as "852 Data Sharing Expense".

**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 | | |
| | 030 | XPO | Preassigned Purchase Order Numbers | O | >1 | | |
| LOOP ID - N1 | | | | | | 200 | |
| | 060 | N1 | Name | O | 1 | | n1 |
| | 130 | N9 | Reference Identification | O | >1 | | |

Detail:

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

Summary:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---------------------|--------------------|-------------------------|----------------------|----------------|------------------------|-------------------------------|
| | 010 | CTT | Transaction Totals | O | 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
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
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).

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | ST01 | 143 | Transaction Set Identifier Code Code uniquely identifying a Transaction Set | M ID 3/3 |
| | | | 852 Product Activity Data | |
| M | 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 |

Segment: **XQ** Reporting Date/Action
Position: 020
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify reporting date and action to be taken
Semantic Notes: 1 XQ02 is the reporting date.

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | XQ01 | 305 | Transaction Handling Code Code designating the action to be taken by all parties | M ID 1/2 |
| | | | G Plan Order(s) and Ship Product | |
| M | XQ02 | 373 | Date Date expressed as CCYYMMDD | M DT 8/8 |



| | |
|------------------------|--|
| Segment: | XPO Preassigned Purchase Order Numbers |
| Position: | 030 |
| Level: | Heading |
| Usage: | Optional |
| 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: | This segment may be used for partners receiving POS+ warehouse on-hand and demand data. It is NOT used for POSS only transmissions |

Data Element Summary

| Ref. | Data | | Attributes |
|-------------|----------------|--|------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| M | XPO01 | 324 Purchase Order Number | M AN 1/22 |
| | | Identifying number for Purchase Order assigned by the orderer/purchaser | |
| | XPO03 | 66 Identification Code Qualifier | X ID 1/2 |
| | | Code designating the system/method of code structure used for Identification Code (67) | |
| | | 92 Assigned by Buyer or Buyer's Agent | |
| | XPO04 | 67 Identification Code | X AN 2/80 |
| | | Code identifying a party or other code | |
| | | Walgreen Vendor Number | |



| | |
|----------------------|---|
| Segment: | N1 Name |
| Position: | 060 |
| Loop: | N1 Optional |
| Level: | Heading |
| Usage: | Optional |
| Max Use: | 1 |
| Purpose: | To identify a party by type of organization, name, and code |
| Syntax Notes: | <ol style="list-style-type: none"> 1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required. |
| Comments: | <ol style="list-style-type: none"> 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. |
| Notes: | This segment may be used for partners receiving POS + warehouse on-hand and demand data. It is NOT used for POS only transmissions. |

Data Element Summary

| Ref. | Data | | Attributes |
|------|---------|---|------------|
| Des. | Element | Name | |
| 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 | |
| | N102 | 93 Name | X AN 1/60 |
| | | Free-form name | |
| | 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 | |
| | N104 | 67 Identification Code | X AN 2/80 |
| | | Code identifying a party or other code | |
| | | Warehouse location code | |



Segment: **N9** Reference Identification
Position: 130
Loop: N1 Optional
Level: Heading
Usage: Optional
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.
Notes: This segment may be used for partners receiving POS + warehouse on-hand and demand data. It is NOT used for POS only transmissions.

Data Element Summary

| | Ref. | Data | | Attributes |
|---|------|---------|--|------------|
| | Des. | Element | Name | |
| M | N901 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification ZZ Mutually Defined | M ID 2/3 |
| | N902 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Number count | X AN 1/30 |
| | N903 | 369 | Free-form Description Free-form descriptive text Number description | X AN 1/45 |

Segment: **LIN** Item Identification
Position: 010
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1

Data Element Summary

| | Ref. | Data | | Attributes |
|---|-------|---------|--|------------|
| | Des. | Element | Name | |
| M | LIN02 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) UI U.P.C. Consumer Package Code (1-5-5) UP U.P.C. Consumer Package Code (1-5-5-1) | M ID 2/2 |
| M | LIN03 | 234 | Product/Service ID Identifying number for a product or service 11 or 12 digit UPC Consumer Code | M AN 1/48 |



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.
Notes: For POS only transmissions, ZA01 = 'QS'

Data Element Summary

| Ref. | Data | Name | Attributes |
|------|---------|--|------------|
| Des. | Element | | |
| M | 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 | |
| | | Total on hand by Warehouse | |
| | | QO Quantity Out of Stock | |
| | | Lost billings - Out of stock items by Warehouse | |
| | | QP Quantity On Order, Not Yet Received | |
| | | Total on order by Warehouse | |
| | | QR Quantity Received | |
| | | QS Quantity Sold | |
| | | Point of sale scanning data by Warehouse | |
| | | QW Quantity Withdrawn from Warehouse Inventory | |
| | ZA02 | 380 Quantity | X R 1/15 |
| | | Numeric value of quantity | |
| | 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 | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | ZA04 | 374 Date/Time Qualifier | X ID 3/3 |
| | | Code specifying type of date or time, or both date and time | |
| | | 006 Sold | |
| | ZA05 | 373 Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |



Segment: CTP Pricing Information
Position: 100
Loop: ZA Optional
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To specify pricing information
Comments: Walgreens is using the CTP to send Promotional Quantities

Data Element Summary

| Ref. | Data | | Attributes |
|-------------|----------------|---|------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| CTP02 | 236 | Price Identifier Code Code identifying pricing specification PRP Promotional price | X ID 3/3 |
| CTP04 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| CTP05 | C001 | Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) | X |
| M | C00101 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each | M ID 2/2 |
| CTP10 | 499 | Condition Value Identifies rate restrictions or provisions Activity Code for Promotional Quantities: QA - Current Inventory Quantity Available for Shipment QO - Quantity out of Stock QP - Quantity on Order, Not Yet Received QR - Quantity received in the DC QW - Quantity withdrawn From Warehouse Inventory | O AN 1/10 |



Segment: **SDQ** Destination Quantity
Position: 110
Loop: ZA Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify destination and quantity detail

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|-------------|----------------|---|-------------------|
| | Des. | Element | | |
| M | SDQ01 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each | M ID 2/2 |
| | SDQ02 | 66 | Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent | O ID 1/2 |
| M | SDQ03 | 67 | Identification Code Code identifying a party or other code 5 Digit store location | M AN 2/80 |
| M | SDQ04 | 380 | Quantity Numeric value of quantity Quantity sold at above store location | M R 1/15 |
| | SDQ05 | 67 | Identification Code Code identifying a party or other code Repeat as needed up to SDQ22 | X AN 2/80 |
| | SDQ06 | 380 | Quantity Numeric value of quantity | X R 1/15 |



Segment: **CTT** Transaction Totals
Position: 010
Level: Summary
Usage: Optional
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.
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

| Ref. | Data | | Attributes |
|-------------|----------------|--|------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| M | CTT01 | 354 Number of Line Items | M N0 1/6 |
| | | Total number of line items in the transaction set | |
| | CTT02 | 347 Hash Total | O R 1/10 |
| | | 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. | |

Segment: **SE** Transaction Set Trailer
Position: 020
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)
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

| Ref. | Data | | Attributes |
|-------------|----------------|---|------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| 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 | |