Message Implementation Guide

ANSI X12 3010 852 Product Activity Data

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Contents

FUNCTIONAL GROUP – PD

This standard provides the format and establishes the data contents of the Product Activity Data Transaction Set within the context of an Electronic Data Interchange (EDI) environment.

This transaction set allows 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.

HEADER

TARGET	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
USE	ST	Transaction Set Header	M	1	
USE	XQ	Reporting Date/Action	M	1	
NOT USED	XPO	Pre-assigned PO Numbers	O	>1	
USE	N9	Reference Number	O	>1	
NOT USED	PER	Admin .Comm. Contact	O	3	
USE	N1	Name	O	1	N1/200
NOT USED	N2	Additional Name Information	O	1	
NOT USED	N3	Address Information	O	2	
NOT USED	N4	Geographic Location	O	1	
NOT USED	FOB	F.O.B Related Instructions	O	1	
NOT USED	TD5	Carrier Details	O	1	
NOT USED	DTM	Date/Time Reference	O	1	

DETAIL

TARGET	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
USE	LIN	Item Identification	M	1	LIN/999999
NOT USED	CTP	Pricing Information	O	25	
NOT USED	PO4	Item Physical Details	O	1	
USE	ZA	Product Activity Reporting	M	1	ZA/99
NOT USED	CTP	Pricing Information	O	25	
USE	SDQ	Destination Quantity	O	>1	

SUMMARY

TARGET	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
USE	CTT	Transaction Totals	M	1	
USE	SE	Transaction Set Trailer	M	1	

ST Transaction Set Header

Segment: **ST** Transaction Set Header

Level: Header

Loop: ____

Usage: Mandatory

Max Use: 1

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

Comments:
The transaction set identifier is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
ST01	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set.	M	ID	3/3
ST02	**329**	**Transaction Set Control Number** Identifying control number assigned by the originator for a transaction set **The number is sequentially assigned, by the sender, starting with one within each functional group. For each functional group the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.**	M	AN	4/9

Example: **ST*852*0001**

XQ Reporting Date

Level: Header

Loop: ____

Usage: Mandatory

Max Use: 1

Purpose:
To specify reporting date and action to be taken

Comments:
A XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ is the end date.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
XQ	305	**Transaction Handling Code** Code designating the action to be taken by all parties **H Notification Only** It is intended that this information be used for Production planning/procurement purposes only	M	ID	1/1
XQ02	373	**Date** Date (YYMMDD). Start date of report That is, week commencing will refer to Sunday's date	M	DT	6/6
XQ03	373	**Date** Date (YYMMDD). End date of report That is, week ending will refer to Saturday's date.	O	DT	6/6

Example :   XQ*H*950219*950225

N9 Reference Number

Level: Header

Loop: ____

Usage: Optional

Max Use: >1

Purpose:
To transmit identifying numbers and descriptive information as specified by the reference number qualifier

Syntax: **1 R0203**
              At least one of N902 or N903 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
N901	**128**	**Reference Number Qualifier** Code qualifying the Reference Number **DP Department Number**	M	ID	2/2
N902	**127**	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Related to the actual Target Department Number and is always a four-digit code.	C	AN	1/30

Example :   **N9*DP*0600**

N1 Name

Level:	Header
Loop:	N1 Repeat : 200
Usage:	Optional
Max Use:	1

Purpose:
To identify a party by type of organisation, name and code

Comments:
This segment used alone provides the most efficient method of providing organisational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

This segment will only be used if receiving sales and/or stock information at Company level.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
N101	**98**	**Entity Identifier Code** Code identifying an organisational entity or a physical location.	M	ID	2/2
		RL **Reporting Location (Address in N104)**			
N103	**66**	**Identification Code Qualifier**	C	ID	1/2
		92 **Assigned by Buyer**			
N104	**67**	**Identification Code** Code identifying a delivery point for the order If this segment is present in a document then all sales data and/or stock data, will always be transmitted at Company level.	C	ID	2/4
		5700 **Target Head Office Code.**			

Example :   `N1*RL**92*5700`

LIN Item Identification

Level: Detail

Loop: LIN   **Detail:** 999999

Usage: Mandatory

Max Use: 1

Purpose:
To specify basic item identification data.

Comments:
LIN01 is the line item identification

Notes:
- There is one LIN segment for each SKU.
- The codes listed for LIN02 apply to every occurrence of data element 235 in the LIN segment.

Syntax:

C0405   If LIN04 is present, then LIN05 is required.

CO607   If LIN06 is present, then LIN07 is required.

CO809   If LIN08 is present, then LIN08 is required.

C1O11   If LIN10 is present, then LIN11 is required.

C1213   If LIN12 is present, then LIN13 is required.

C1415   If LIN14 is present, then LIN15 is required.

C1617   If LIN16 is present, then LIN17 is required.

C1819   If LIN18 is present, then LIN19 is required.

C2021   If LIN20 is present, then LIN21 is required.

C2223   If LIN22 is present, then LIN23 is required.

C2425   If LIN24 is present, then LIN25 is required.

C2627   If LIN26 is present, then LIN27 is required.

C2829   If LIN28 is present, then LIN29 is required.

C3031   If LIN30 is present, then LIN31 is required.

LIN Item Identification continued

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
LIN01	350	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set.	O	AN	1/11
LIN02	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID	M	ID	2/2
		EN EAN/APN/GTIN			
LIN03	234	**Product/Service ID** Identifying number for a product or service. **Actual 13 digit APN Product Number.**	M	AN	1/14
LIN04	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in the Product/Service ID	M	ID	2/2
		CB Target product code			
LIN05	234	**Product/Service ID** Identifying number for a product or service.	M	AN	1/8

Example: `LIN000001*EN*9374361000017*CB*00555555`

ZA Product Activity Reporting

Level: Detail

Loop: LIN/ZA **Repeat:** 99

Usage: Mandatory

Max Use: 1

Purpose:
To provide activity details concerning product being reported

Notes:

- The first occurrence of the ZA Segment will always refer to SALES data (e.g. ZA01 will contain the code 'QS')
- The second occurrence of the ZA Segment will refer to STOCK ON HAND data (e.g. ZA01 will contain the code 'QA')
- The third instance of the ZA Segment will refer to STOCK ON ORDER data (e.g. ZA01 will contain the code 'QP')
- The fourth instance of the ZA Segment will refer to STOCK IN TRANSIT data (e.g. ZA01 will contain the code 'QT')

- A quantity will be present in the ZA02 when the data referred to is at company/aggregate level. ZA02 will not be used for sales and stock data at either regional or store level.

- ZA03 appears only if ZA02 is present for data represented at company level

- If ZA02 and ZA03 are used, then do not use the SDQ Segment. If the SDQ Segment is used, then do not use ZA02 and ZA03.

Syntax:

P0203   If either ZA02 or ZA03 is present, then the other is required.

P0405   If either ZA04 or ZA05 is present, then the other is required.

P0607   If either ZA06 or ZA07 is present, then the other is required.

ZA Product Activity Reporting Continued

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
ZA01	**859**	**Activity Code** Code identifying activity details for the product being reported.	M	ID	2/2

> **QA   Stock on Hand**
> **Stock on Hand for Target**
>
> Target Stock on Hand data is reported in **Units**.

> **QP   Stock on Order**
> **Stock on Order for stores and distribution centres**
>
> Target Stock on Order data is reported in **Units**.

> **QS   Sales**
> **Stock which has sold at Stores**
>
> Target Sales data is reported in **Units**.

> **QT   Stock in Transit**
> **Stock in Transit from DC to Stores**
>
> Target transfer data is reported in **Units**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
ZA02	**380**	**Quantity** Total numeric value of quantity in **Units**.	C	R	1/7
ZA03	**355**	**Unit of Measurement Code** Code identifying the basic unit of measurement and reports on single units, not packs.	C	ID	2/2

Example:

```
Information requested at Company level.
ZA*QS*150*EA
ZA*QA*50*EA
ZA*QP*200*EA

Information requested at Store level.
ZA*QS
ZA*QA
ZA*QP
ZA*QT
```

SDQ Destination quantity

Level: Detail

Loop: LIN/ZA

Usage: Optional

Max Use: >1

Purpose:
To specify destination and quantity detail

Comments:
SDQ02 is used only if different than previously defined in the transaction set.

Notes:
This segment is used to distribute item quantity to various locations.
If this segment is used, ZA02 and ZA03, in the ZA segment, must not be used.

Syntax:

C0506	If LIN05 is present, then LIN06 is required.
CO708	If LIN07 is present, then LIN08 is required.
CO910	If LIN09 is present, then LIN10 is required.
C1112	If LIN11 is present, then LIN12 is required.
C1314	If LIN13 is present, then LIN14 is required.
C1516	If LIN15 is present, then LIN16 is required.
C1718	If LIN17 is present, then LIN18 is required.
C1920	If LIN19 is present, then LIN20 is required.
C2122	If LIN21 is present, then LIN22 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SDQ01	**355**	**Unit of Measurement Code** Code identifying the basic unit of measurement and reports on single units, not packs **Target use 'EA' only.**	M ID 2/2

Data Element Summary (SDQ Destination quantity continued)

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
SDQ02	66	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67).	O	ID	1/2
		92 **Assigned by Buyer**			
SDQ03	67	**Identification Code** Code identifying a store	M	ID	2/4
SDQ04	380	**Quantity** Numeric value of quantity	M	R	1/7
SDQ05	67	**Identification Code** Code identifying a store	O	ID	2/4
SDQ06	380	**Quantity** Numeric value of quantity	C	R	1/7
SDQ07	67	**Identification code** Code identifying a store	O	ID	2/4
SDQ08	380	**Quantity** Numeric value of quantity	C	R	1/7
SDQ09	67	**Identification Code** Code identifying a store	O	ID	2/4
SDQ10	380	**Quantity** Numeric value of quantity	C	R	1/7
SDQ11	67	**Identification Code** Code identifying a store	O	ID	2/4
SDQ12	380	**Quantity** Numeric value of quantity	C	R	1/7
SDQ13	67	**Identification Code** Code identifying a store	O	ID	2/4
SDQ14	380	**Quantity** Numeric value of quantity	C	R	1/7
SDQ15	67	**Identification Code** Code identifying a store	O	ID	2/4
SDQ16	380	**Quantity** Numeric value of quantity	C	R	1/7
SDQ17	67	**Identification Code** Code identifying a store	O	ID	2/4
SDQ18	380	**Quantity** Numeric value of quantity	C	R	1/7

Data Element Summary (SDQ Destination quantity continued)

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
SDQ19	67	**Identification Code** Code identifying a store	O	ID	2/4
SDQ20	380	**Quantity** Numeric value of quantity	C	R	1/7
SDQ21	67	**Identification Code** Code identifying a store	O	ID	2/4
SDQ22	380	**Quantity** Numeric value of quantity	C	R	1/7

Example

```
ZA*QS
SDQ*EA*92*5001*150*5004*20
ZA*QA
SDQ*EA*92*5001*200*5004*10
ZA*QP
SDQ*EA*92*5001*100*5004*5
ZA*QT
SDQ*EA*92*5001*200*5004*10
```

CTT Transaction Totals

Level:	Summary
Loop:	_____
Usage:	Mandatory
Max Use:	1

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

Comments:
This segment is intended to provide hash totals to validate transaction completeness and correctness

Syntax:

C0304	If CTT03 is present, then CTT06 is required.
C0506	If CTT05 is present, then CTT06 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CTT01	**354**	**Number of Line Items** Total number of line items in the transaction set. **The number of LIN segments present in the transaction set.**	**M N0 1/6**

Example :		**CTT*1** *1 LIN SEGMENT*

SE Transaction Set Trailer

Level: Summary

Loop: _____

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:
SE is the last segment of each transaction set

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
SE01	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments.	M	N0	1/6
SE02	**329**	**Transaction Set Control Number** Identifying control number assigned by the originator for a transaction set. **This must be the same number as in the ST segment (ST02) for the** **transaction set.**	M	AN	4/9

Example :   **SE*12*0001**