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852 Product Activity Data (DSD/Warehouse/SBT)

X12/UCS/V4030/852 : 852 Product Activity Data

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Notes:	The DSD, Warehouse, and SBT can be combined in the same 852 document and review of guidelines is necessary to separate the information you are needing.

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852 Product Activity Data

Functional Group=**PD**

Purpose: 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 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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
0200	XQ	Reporting Date/Action	M	1		
0400	N9	Reference Identification	O	>1		
LOOP ID - N1					200	N1/0600L
0600	N1	Name	O	1		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - LIN					999999	
0100	LIN	Item Identification	O	1		
LOOP ID - ZA					>1	N2/0800L
0800	ZA	Product Activity Reporting	M	1		
1000	CTP	Pricing Information	O	25		
1100	SDQ	Destination Quantity	O	>1		

Data Sample:

Note

The DSD, Warehouse, and SBT can be combined in the same 852 document and review of guidelines is necessary to separate the information you are needing.

Data Sample - Warehouse 852 :

```
ST*852*288674~
XQ*H*20251119*20251125~
N9*IK*06036203~
N1*CQ*HARRIS TEETER*1*047279351~
N1*VN*SupplierName*ZZ* 034750~
LIN**UK*10041129491161~
ZA*QS***051*20251123~
SDQ*CA*92*1003*2*1004*3~
ZA*QA***007*20251123~
SDQ*CA*92*1003*26*1004*18~
ZA*QP***007*20251123~
SDQ*CA*92*1003*30*1004*30~
```

LIN**UK*10041129631109~
ZA*QS***051*20251123~
SDQ*CA*92*1003*3*1004*1~
ZA*QA***007*20251123~
SDQ*CA*92*1003*60*1004*90~
ZA*QP***007*20251123~
SDQ*CA*92*1003*70*1004*0~
ZA*QD***002*20251123~
SDQ*CA*92*1003*147*1004*115~
SE*22*288674~

Data Sample - SBT 852 :

ST*852*288674~
XQ*H*20251119*20251125~
N9*MR*SBT~
N9*IK*06036203~
N1*CQ*HARRIS TEETER*1*047279351~
N1*VN*SupplierName*ZZ*049737~
LIN**UK*00082657500546~
ZA*QS~
CTP**UCP*12.85~
CTP**RTL*15.49~
SDQ*EA*92*00498*2~
LIN**UK*00082657934129~
ZA*QS~
CTP**UCP*6.85~
CTP**RTL*9.49~
SDQ*EA*92*00498*6~
SE*17*288674~

Data Sample - DSD 852 :

ST*852*288674~
XQ*H*20251119*20251125~
N9*IK*06036203~
N1*CQ*HARRIS TEETER*1*047279351~
N1*VN*SupplierName*ZZ*034750~
LIN**UP*013000000819~
ZA*QS***051*20221009~
SDQ*EA*92*0003*1*0030*1*0039*1*0043*1*0082*1*0083*1*0085*1*0090*1*0117*1*0124*1~
SDQ*EA*92*0129*1*0138*1*0172*1*0175*1*0182*2*0229*1*0242*1*0253*1*0254*1*0266*1~
SDQ*EA*92*0281*1*0305*1*0307*1*0322*1*0332*1*0338*1*0340*1*0348*1*0353*1*0364*1~
SDQ*EA*92*0365*1*0373*1*0383*1*0385*1*0386*1*0394*1*0409*1*0410*2*0416*1*0421*1~
SDQ*EA*92*0430*2*0441*1*0460*1*0491*1~
LIN**UP*013000001038~
ZA*QS***051*20221009~
SDQ*EA*92*0004*1*0011*1*0023*2*0026*1*0027*1*0039*2*0043*1*0051*3*0058*1*0061*1~
SDQ*EA*92*0064*1*0068*1*0069*2*0087*1*0099*1*0100*1*0118*1*0124*1*0129*3*0132*2~
SDQ*EA*92*0135*2*0136*1*0147*1*0157*1*0161*2*0168*1*0181*1*0191*1*0202*1*0209*1~

SDQ*EA*92*0216*1*0223*3*0224*1*0225*1*0229*2*0230*1*0231*1*0250*1*0270*1*0272*1~
SDQ*EA*92*0280*1*0281*3*0283*1*0284*2*0294*1*0298*1*0301*2*0303*3*0304*1*0306*1~
SDQ*EA*92*0309*2*0311*2*0313*1*0316*1*0317*2*0319*1*0320*1*0322*1*0323*1*0326*1~
SDQ*EA*92*0329*1*0330*1*0332*2*0336*1*0338*1*0341*1*0344*3*0350*1*0352*1*0353*2~
SDQ*EA*92*0354*4*0364*1*0370*1*0372*1*0376*1*0380*2*0384*1*0386*1*0387*1*0388*2~
SDQ*EA*92*0392*2*0393*3*0394*2*0395*1*0398*3*0401*1*0403*3*0409*2*0410*1*0416*1~
SDQ*EA*92*0421*2*0440*1*0459*1*0460*2*0462*2*0463*1*0471*1*0472*2*0473*1*0487*2~
SDQ*EA*92*0496*1*0498*2~ SE*17*288674~
SE*26*288674~

XQ Reporting Date/Action

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

Purpose: To specify reporting date and action to be taken

Semantics:

1. XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ03 is the end date.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
XQ01	305	Transaction Handling Code	M	ID	1/2	Must use
		Description: Code designating the action to be taken by all parties				
		<u>Code</u> <u>Name</u>				
		H Notification Only				
XQ02	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
XQ03	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				

Data Sample:

XQ*H*20250706*20250708~

N9 Reference Identification

Pos: 0400	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification				
		Code Name				
		IK Invoice Number				
		MR Merchandise Type Code				
N902	127	Reference Identification	X	AN	1/50	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Data Sample:

For DSD/Warehouse/ST

N9*IK*05622399~

Only for SBT

N9*MR*ST~

N1 Name

Pos: 0600	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		<u>Code</u> <u>Name</u> CQ Corporate Office VN Vendor				
N102	93	Name	X	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		<u>Code</u> <u>Name</u> 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 92 Assigned by Buyer or Buyer's Agent ZZ Mutually Defined				
N104	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				

Data Sample:

N1*CQ*HARRIS TEETER*1*047279351~
 N1*VN*Supplier Name*ZZ*000291~

LIN Item Identification

Pos: 0100	Max: 1
Detail - Optional	
Loop: LIN	Elements: 2

Purpose: To specify basic item identification data

Semantics:

1. LIN01 is the line item identification

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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)						
UK EAN/UCC - 14						
UP UCC - 12						
LIN03	234	Product/Service ID	M	AN	1/48	Must use
Description: Identifying number for a product or service						

Data Sample:

LIN**UK*00082657934129~
 LIN**UP*082657542218~

ZA Product Activity Reporting

Pos: 0800	Max: 1
Detail - Mandatory	
Loop: ZA	Elements: 3

Purpose: To provide activity details concerning product being reported

Semantics:

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ZA01	859	Activity Code	M	ID	2/2	Must use
		Description: Code identifying activity details for the product being reported				
		<u>Code</u> <u>Name</u>				
		QA Current Inventory Quantity Available for Shipment or Sale				
		QD Additional Demand Quantity				
		QO Quantity Out of Stock				
		QP Quantity On Order, Not Yet Received				
		QS Quantity Sold				
		QU Quantity Returned By Consumer				
ZA04	374	Date/Time Qualifier	X	ID	3/3	Used
		Description: Code specifying type of date or time, or both date and time				
		<u>Code</u> <u>Name</u>				
		002 Delivery Requested				
		007 Effective				
		051 Cumulative Quantity Start				
ZA05	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				

Data Sample:

For warehouse you can receive all 5 activity codes with a minimum of QA, QS, and QP.

```

ZA*QS***051*20251103~
ZA*QA***007*20251103~
ZA*QP***007*20251103~
ZA*QD***002*20251103~
ZA*QO***007*20251103~

```

For DSD and Scan Based Trading (SBT) you will only receive the activity codes of QS and QU.

ZA*QS***051*20251103~

CTP Pricing Information

Pos: 1000	Max: 25
Detail - Optional	
Loop: ZA	Elements: 2

Purpose: To specify pricing information

Semantics:

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP02	236	Price Identifier Code	X	ID	3/3	Used
		Description: Code identifying pricing specification				
		<u>Code</u> <u>Name</u>				
		PUR Purchase				
		RTL Retail				
		UCP Unit cost price				
CTP03	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				

Data Sample:

The CTP segment is included only in the Scan-Based Trading (SBT) 852 document

CTP**UCP*1.45~

CTP**RTL*7.95~

SDQ Destination Quantity

Pos: 1100	Max: >1
Detail - Optional	
Loop: ZA	Elements: 22

Purpose: To specify destination and quantity detail

Semantics:

- SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code Name				
		CA Case				
		EA Each				
SDQ02	66	Identification Code Qualifier	O	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		Code Name				
		92 Assigned by Buyer or Buyer's Agent				
SDQ03	67	Identification Code	M	AN	2/80	Must use
		Description: Code identifying a party or other code				
SDQ04	380	Quantity	M	R	1/15	Must use
		Description: Numeric value of quantity				
SDQ05	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ06	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ07	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ08	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ09	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u> other code	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ10	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ11	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ12	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ13	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ14	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ15	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ16	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ17	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ18	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ19	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ20	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ21	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ22	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used

Data Sample:

SDQ*CA*92*1003*1296*1004*926~

SDQ*EA*92*0218*0*0220*0*0223*0*0224*0*0225*0*0228*0*0229*0*0230*0*0231*0*0235*0~