

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. 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.

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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

Detail:

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

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Note:

- The data is sent out Sunday for the previous week (Sunday through Saturday).
- The file will include all UPC's scanned during the previous week from all of our stores. This will be the net units sold. For example, if we sell 10 items and 1 item is returned, we will send you "9" as the quantity sold. You could also receive a negative number if there were only returns.
- We will NOT be transmitting dollar amounts
- We will NOT be transmitting stock-on-hand amounts.
- The data is sorted by department, UPC and quantity sold per store.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

To start and identify an interchange of zero or more functional groups and interchange-related control segments

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>
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information Code Name 00 No Authorization Information Present (No Meaningful Information in I02)	M	ID	2/2	Must use
ISA02	I02	Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) Note: <i>Spaces</i>	M	AN	10/10	Must use
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information Code Name 00 No Security Information Present (No Meaningful Information in I04)	M	ID	2/2	Must use
ISA04	I04	Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Note: <i>Spaces</i>	M	AN	10/10	Must use
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Note: <i>Nordstrom's qualifier is '12'</i>	M	ID	2/2	Must use
ISA06	I06	Interchange Sender ID Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element. Note: <i>Nordstrom's sender ID is '2062336352'</i>	M	AN	15/15	Must use
ISA07	I05	Interchange ID Qualifier Note: <i>Qualifier selected by receiver</i> Code Name 01 Duns (Dun & Bradstreet) 08 UCC EDI Communications ID (Comm ID) 12 Phone (Telephone Companies)	M	ID	2/2	Must use
ISA08	I07	Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to	M	AN	15/15	Must use

		route data to them				
		Note: Receiver ID selected by receiver				
ISA09	I08	Interchange Date Description: Date of the interchange Note: Date the ISA was generated - YYMMDD	M	DT	6/6	Must use
ISA10	I09	Interchange Time Description: Time of the interchange Note: Time the ISA was generated -- HHMM	M	TM	4/4	Must use
ISA11	I10	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.	M	ID	1/1	Must use
ISA12	I11	Interchange Control Version Number Description: This version number covers the interchange control segments Code Name 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender Note: Sender assigned sequential number starting with 1 incremented by 1 for each transmission.	M	N0	9/9	Must use
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) Code Name 0 No Acknowledgment Requested	M	ID	1/1	Must use
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information Code Name P Production Data T Test Data	M	ID	1/1	Must use
ISA16	I15	Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator Note: '>'	M		1/1	Must use

GS**Functional Group Header**

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

To indicate the beginning of a functional group and to provide control information

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>
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets	M	ID	2/2	Must use
		Code Name PD Product Activity Data (852)				
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners Note: <i>Nordstrom's sender ID is '2062336352'</i>	M	AN	2/15	Must use
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by trading partners Note: <i>Receiver ID selected by receiver</i>	M	AN	2/15	Must use
GS04	373	Date Description: Date expressed as CCYYMMDD Note: <i>Date GS was generated -- CCYYMMDD</i>	M	DT	8/8	Must use
GS05	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) Note: <i>Time GS was generated -- HHMM</i>	M	TM	4/8	Must use
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender Note: <i>Sender assigned sequential number starting with 1 incremented by 1 for each transmission.</i>	M	N0	1/9	Must use
GS07	455	Responsible Agency Code Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard	M	ID	1/2	Must use
		Code Name X Accredited Standards Committee X12				
GS08	480	Version / Release / Industry Identifier Code Description: Nordstrom will be sending version 004010	M	AN	1/12	Must use
		Code Name 004010VICS Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

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>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Must use
		Code Name				
		852 Product Activity Data				
ST02	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

XQ

Reporting Date/Action

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Must use

To specify reporting date and action to be taken

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 Description: Code designating the action to be taken by all parties	M	ID	1/2	Must use
		Code Name G Plan Order(s) and Ship Product				
XQ02	373	Date Description: Date expressed as CCYYMMDD Note: <i>Begin Date</i>	M	DT	8/8	Must use
XQ03	373	Date Description: Date expressed as CCYYMMDD Note: <i>End Date</i>	O	DT	8/8	Must use

N9**Reference Identification**

Pos: 040	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

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 Description: Code qualifying the Reference Identification	M	ID	2/3	Must use
		Code Name DP Department Number				
N902	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Note: <i>Nordstrom Department Numbers are 4 numeric with leading 0's. For example, Department 28 would be sent as 0028.</i>	C	AN	4/4	Used

Syntax:

1. R0203 - At least one of N902,N903 is required

LIN

Item Identification

Pos: 010 Max: 1
 Detail - Optional
 Loop: LIN Elements: 3

User Option (Usage): Used

To specify basic item identification data

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>
LIN01	350	Assigned Identification Description: Not Used Note: Not Used	O	AN	1/20	Not used
LIN02	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <u>Code</u> <u>Name</u> EN European Article Number (EAN) (2-5-5-1) IB International Standard Book Number (ISBN) UP U.P.C. Consumer Package Code (1-5-5-1)	M	ID	2/2	Must use
LIN03	234	Product/Service ID Description: Identifying number for a product or service Note: UPC Code, EAN Code or ISB Code	M	AN	1/48	Must use

ZA

Product Activity Reporting

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

User Option (Usage): Must use

To provide activity details concerning product being reported

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 Description: Code identifying activity details for the product being reported Note: <i>This will be the net quantity sent. Please be aware you could receive negative numbers if only returns were made.</i>	M	ID	2/2	Must use
		Code Name QS Quantity Sold				

SDQ Destination Quantity

Pos: 110	Max: >1
Detail - Optional	
Loop: ZA	Elements: 22

User Option (Usage): Used

To specify destination and quantity detail

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 Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Code Name EA Each	M	ID	2/2	Must use
SDQ02	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) Code Name 92 Assigned by Buyer or Buyer's Agent	O	ID	1/2	Used
SDQ03	67	Identification Code Description: Code identifying a party or other code Note: Nordstrom store numbers are 4 numeric with leading 0's. For example, Store 1 would be sent as 0001.	M	AN	4/4	Must use
SDQ04	380	Quantity Description: Numeric value of quantity Note: This will be the net quantity sold. Please be aware you could receive negative numbers if only returns were made.	M	R	1/15	Must use
SDQ05	67	Identification Code Description: Code identifying a party or other code	C	AN	2/4	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	C	AN	4/4	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	C	AN	4/4	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	C	AN	4/4	Used
SDQ12	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
SDQ13	67	Identification Code Description: Code identifying a party or other code	C	AN	4/4	Used
SDQ14	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
SDQ15	67	Identification Code Description: Code identifying a party or other code	C	AN	4/4	Used
SDQ16	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
SDQ17	67	Identification Code	C	AN	4/4	Used

SDQ18	380	Description: Code identifying a party or other code Quantity	C	R	1/15	Used
SDQ19	67	Description: Numeric value of quantity Identification Code	C	AN	4/4	Used
SDQ20	380	Description: Code identifying a party or other code Quantity	C	R	1/15	Used
SDQ21	67	Description: Numeric value of quantity Identification Code	C	AN	4/4	Used
SDQ22	380	Description: Code identifying a party or other code Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				

Syntax:

1. P0506 - If either SDQ05,SDQ06 is present, then all are required
2. P0708 - If either SDQ07,SDQ08 is present, then all are required
3. P0910 - If either SDQ09,SDQ10 is present, then all are required
4. P1112 - If either SDQ11,SDQ12 is present, then all are required
5. P1314 - If either SDQ13,SDQ14 is present, then all are required
6. P1516 - If either SDQ15,SDQ16 is present, then all are required
7. P1718 - If either SDQ17,SDQ18 is present, then all are required
8. P1920 - If either SDQ19,SDQ20 is present, then all are required
9. P2122 - If either SDQ21,SDQ22 is present, then all are required

Note:

A SDQ segment can hold up to 10 locations. When an item has been sole in more than 10 stores, additional SDQ Segments will be sent

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

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

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>
CTT01	354	Number of Line Items Description: Total number of line items in the transaction set Note: <i>Number of Line Items</i>	M	N0	1/6	Must use

SE Transaction Set Trailer

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

User Option (Usage): Must use

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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 Note: <i>This must be the same number as is in the ST segment (ST02) for the transaction set.</i>	M	AN	4/9	Must use

GE**Functional Group Trailer**

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of a functional group and to provide control information

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>
GE01	97	Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use

IEA**Interchange Control Trailer**

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To define the end of an interchange of zero or more functional groups and interchange-related control segments

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>
IEA01	I16	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use