



Electronic Data Interchange

852 – Product Activity Data  
(VICS Version - 4010)

March 2011

Powered By:



## Purpose

This document provides detailed guidelines and conventions for implementing electronic product activity data with Boscov's Department Stores. Our 852 Product Activity Data, as detailed in this document, will provide you with all of the information necessary to fill our requirements.

These guidelines comply with published VICS standards for EDI version 4010 for all data elements and segments.

Mandatory segments and elements are always required on every document. Optional segments and elements that are required by Boscov's Department Stores are marked as "Must Use". Segment usage is marked at the top of each page under Usage. Element usage is marked in the far-left column beside each element. If the column is blank, the element is optional. Information in the Attributes column is from the VICS standards and is provided for reference only. Trading Partners must adhere to our requirements as indicated by "Must Use".

## Contacts

Transaction Testing: GXS Inc. 1.877.446.6847 Select Option 2

Production Support: GXS Inc. 1.877.446.6847 Select Option 2

Boscov's Department Stores: [ediadmin@boscovs.com](mailto:ediadmin@boscovs.com)

## Communication IDs

### **Production**

S/R ID: 01/014492501

Account/User ID: VANS, HAMAIL

VAN: Inovis

## Delimiters

### **Element Separator - "\*"**

(HEX "2A" in ASCII)      (HEX "5C" in EBCDIC)

### **Component (Sub Element) Separator - ">"**

(HEX "3E" in ASCII)      (HEX "6E" in EBCDIC)

### **Segment Terminator - "~"**

(HEX "7E" in ASCII)      (HEX "A1" in EBCDIC)

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For Service Bureau, call 1-800-872-8255. Select Option 2, then Option 3.

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# Boscov's Department Stores

## 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.

### Envelope:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
6-7	010	ISA	Interchange Control Header	M	1		
8	020	GS	Functional Group Header	M	1		

### Heading:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
9	010	ST	Transaction Set Header	M	1		
10	020	XQ	Reporting Date/Action	M	1		
11	040	N9	Reference Identification	O	>1		

### Detail:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID – LIN			999999	
12	010	LIN	Item Identification	O	1		
			LOOP ID – ZA			>1	
13	080	ZA	Product Activity Reporting	M	1		n1
14-15	110	SDQ	Destination Quantity	O	>1		

### Summary:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
16	010	CTT	Transaction Totals	O	1		n2
17	020	SE	Transaction Set Trailer	M	1		

**Envelope:**

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
18	030	GE	Functional Group Trailer	M		1	
19	040	IEA	Interchange Control Trailer	M		1	

**Transaction Set Notes**

1. 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.
2. 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:** **ISA** Interchange Control Header  
**Position:** 010  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control segments

**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ISA01	I01	<b>Authorization Information Qualifier</b> Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2
Must Use	ISA02	I02	<b>Authorization Information</b> 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) " " 10 blank spaces	M AN 10/10
Must Use	ISA03	I03	<b>Security Information Qualifier</b> Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)	M ID 2/2
Must Use	ISA04	I04	<b>Security Information</b> 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) " " 10 blank spaces	M AN 10/10
Must Use	ISA05	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified 01 Duns (Dun & Bradstreet)	M ID 2/2
Must Use	ISA06	I06	<b>Interchange Sender ID</b> 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 Boscov's Department Stores ID is "014492501"	M AN 15/15
Must Use	ISA07	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
Must Use	ISA08	I07	<b>Interchange Receiver ID</b> 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 route data to them	M AN 15/15
Must Use	ISA09	I08	<b>Interchange Date</b> Date of the interchange	M DT 6/6
Must Use	ISA10	I09	<b>Interchange Time</b> Time of the interchange	M TM 4/4
Must Use	ISA11	I10	<b>Interchange Control Standards Identifier</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer	M ID 1/1

<b>Must Use</b>	<b>ISA12</b>	<b>I11</b>	U <b>Interchange Control Version Number</b> This version number covers the interchange control segments 00401	U.S. EDI Community of ASC X12, TDCC, and UCS <b>M ID 5/5</b> Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997
<b>Must Use</b>	<b>ISA13</b>	<b>I12</b>	<b>Interchange Control Number</b> A control number assigned by the interchange sender	<b>M N0 9/9</b>
<b>Must Use</b>	<b>ISA14</b>	<b>I13</b>	<b>Acknowledgment Requested</b> Code sent by the sender to request an interchange acknowledgment (TA1) 0	<b>M ID 1/1</b> No Acknowledgment Requested
<b>Must Use</b>	<b>ISA15</b>	<b>I14</b>	<b>Usage Indicator</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information P T	<b>M ID 1/1</b> Production Data Test Data
<b>Must Use</b>	<b>ISA16</b>	<b>I15</b>	<b>Component Element Separator</b> 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 >	<b>M AN 1/1</b> The value identified for retail use

<b>Segment:</b>	<b>GS</b> Functional Group Header
<b>Position:</b>	020
<b>Loop:</b>	
<b>Level:</b>	
<b>Usage:</b>	Mandatory
<b>Max Use:</b>	1
<b>Purpose:</b>	To indicate the beginning of a functional group and to provide control information
<b>Syntax Notes:</b>	
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 GS04 is the group date.</li> <li>2 GS05 is the group time.</li> <li>3 The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.</li> </ol>

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	GS01	479	<b>Functional Identifier Code</b> Code identifying a group of application related transaction sets PD Product Activity Data (852)	M ID 2/2
Must Use	GS02	142	<b>Application Sender's Code</b> Code identifying party sending transmission; codes agreed to by trading partners Boscov's ID is "014492501"	M AN 2/15
Must Use	GS03	124	<b>Application Receiver's Code</b> Code identifying party receiving transmission; codes agreed to by trading partners	M AN 2/15
Must Use	GS04	373	<b>Date</b> Date expressed as CCYYMMDD	M DT 8/8
Must Use	GS05	337	<b>Time</b> 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)	M TM 4/8
Must Use	GS06	28	<b>Group Control Number</b> Assigned number originated and maintained by the sender	M N0 1/9
Must Use	GS07	455	<b>Responsible Agency Code</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard X Accredited Standards Committee X12	M ID 1/2
Must Use	GS08	480	<b>Version / Release / Industry Identifier Code</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed 004010VICS Draft Standards Approved for Publication by ASC X12 procedures Review Board through October 1997, Version 4, Release 1, the VICS EDI subset	M AN 1/12



**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**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).  
**Comments:**

**Example:**  
ST\*852\*852000706~

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 852 Product Activity Data	M ID 3/3
Must Use	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group 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

**Segment:** **XQ** Reporting Date/Action  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify reporting date and action to be taken  
**Syntax Notes:**  
**Semantic Notes:** 1 XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ03 is the end date.  
**Comments:**

**Example:**

XQ\*H\*20010111\*20010112~

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	XQ01	305	<b>Transaction Handling Code</b> Code designating the action to be taken by all parties Use of code F or G requires the supplier to advise the distributor/warehouse of replenishment quantity usually via Transaction Set 855 or Transaction Set 856. F Plan and Submit Suggested Purchase Order(s) G Plan Order(s) and Ship Product H Notification Only	M ID 1/2
Must Use	XQ02	373	<b>Date</b> Date expressed as CCYYMMDD	M DT 8/8
	XQ03	373	<b>Date</b> Date expressed as CCYYMMDD	O DT 8/8

**Segment:** **N9 Reference Identification**  
**Position:** 040  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**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.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Comments:**

**Example:**  
N9\*DP\*00559~

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification DP Department Number	M ID 2/3
Must Use	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Boscov's 5 digit Department number (must have leading zeros)	X AN 1/30

<b>Segment:</b>	<b>LIN</b> Item Identification
<b>Position:</b>	010
<b>Loop:</b>	LIN Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Must Use)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify basic item identification data
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either LIN04 or LIN05 is present, then the other is required.</li> <li>2 If either LIN06 or LIN07 is present, then the other is required.</li> <li>3 If either LIN08 or LIN09 is present, then the other is required.</li> <li>4 If either LIN10 or LIN11 is present, then the other is required.</li> <li>5 If either LIN12 or LIN13 is present, then the other is required.</li> <li>6 If either LIN14 or LIN15 is present, then the other is required.</li> <li>7 If either LIN16 or LIN17 is present, then the other is required.</li> <li>8 If either LIN18 or LIN19 is present, then the other is required.</li> <li>9 If either LIN20 or LIN21 is present, then the other is required.</li> <li>10 If either LIN22 or LIN23 is present, then the other is required.</li> <li>11 If either LIN24 or LIN25 is present, then the other is required.</li> <li>12 If either LIN26 or LIN27 is present, then the other is required.</li> <li>13 If either LIN28 or LIN29 is present, then the other is required.</li> <li>14 If either LIN30 or LIN31 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 LIN01 is the line item identification
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 See the Data Dictionary for a complete list of IDs.</li> <li>2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.</li> </ol>
<b>Notes:</b>	The codes listed for LIN02 apply to every occurrence of Data Element 235 in the LIN segment.  See Section III for complete U.P.C. and EAN code definitions.

**Example:**

LIN\*\*UP\*028448616263~

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
	LIN01	350	<b>Assigned Identification</b>	O AN 1/20
Must Use	LIN02	235	<b>Product/Service ID Qualifier</b>	M ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			EN European Article Number (EAN) (2-5-5-1)	
			UP U.P.C. Consumer Package Code (1-5-5-1)	
Must Use	LIN03	234	<b>Product/Service ID</b>	M AN 1/48
			Identifying number for a product or service	

**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.
- 3 If either ZA06 or ZA07 is present, then the other is required.

**Semantic Notes:**

- 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.

**Comments:**  
**Notes:** If ZA02 and ZA03 are used to specify the quantity of the item identified in the LIN segment, the SDQ segment is not used.

All quantity values (ZA03 or quantity values in the SDQ segment) are expressed as a positive number for all activities except for adjustments (code QA and QT in ZA01). An adjustment is any activity, other than a retail sale or warehouse withdrawal, that changes the inventory position for the item. Inter-store transfers are reported as a positive adjustment for the transfer-to store and a negative adjustment for the transfer-from store. An adjustment to inventory can also be made as a result of a physical inventory, for example, shrinkage is reported as a negative adjustment, understated inventory is reported as a positive adjustment.

To express activity in dollars, use the unit of measure DO (Dollars, U.S.) in ZA03 or SDQ01. Multiple ZA segments may be used with the same activity code to specify units and dollars, and, to report activity at different prices. Sales types, promotion/event sales, clearance/markdown sales and non-promotion/non-clearance sales are used in conjunction with a CTP segment to specify the price and/or sales type. For example, if three stores sold an item for one price and five other stores sold the same item for a different price, two ZA loops may be used to report the sale quantity at the appropriate price. The first ZA loop would contain the price in the CTP segment and one SDQ segment with the three stores/quantities. The second loop would specify the other price and one SDQ segment for the remaining five stores/quantities.

**Example:**  
 ZA\*QS~

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>	<b>Activity Code</b>	<b>M ID 2/2</b>
<b>Must Use</b>	<b>ZA01</b>	<b>859</b>	
		Code identifying activity details for the product being reported	
		QA	Current Inventory Quantity Available for Shipment or Sale Indicates the quantity currently available to be sold or shipped On-hand inventory at store/distribution center/warehouse available for shipment or sale
		QS	Quantity Sold Sales at retail (gross quantity, no returns netted out)
		QT	Adjustment to Inventory Quantity Adjustment to inventory quantity as a result of a physical inventory discrepancy or internal movement of goods from one location to another

QU

Quantity Returned by Consumer

<b>Segment:</b>	<b>SDQ</b> Destination Quantity
<b>Position:</b>	110
<b>Loop:</b>	ZA Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Must Use)
<b>Max Use:</b>	>1
<b>Purpose:</b>	To specify destination and quantity detail
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either SDQ05 or SDQ06 is present, then the other is required.</li> <li>2 If either SDQ07 or SDQ08 is present, then the other is required.</li> <li>3 If either SDQ09 or SDQ10 is present, then the other is required.</li> <li>4 If either SDQ11 or SDQ12 is present, then the other is required.</li> <li>5 If either SDQ13 or SDQ14 is present, then the other is required.</li> <li>6 If either SDQ15 or SDQ16 is present, then the other is required.</li> <li>7 If either SDQ17 or SDQ18 is present, then the other is required.</li> <li>8 If either SDQ19 or SDQ20 is present, then the other is required.</li> <li>9 If either SDQ21 or SDQ22 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 SDQ02 is used only if different than previously defined in the transaction set.</li> <li>2 SDQ03 is the store number.</li> <li>3 SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.</li> </ol>
<b>Notes:</b>	<p>This segment is used to distribute item quantity to various locations.</p> <p>If this segment is used to specify the quantity of the item identified in the LIN segment, ZA02 and ZA03 are not used.</p>

**Example:**

SDQ\*EA\*92\*00051\*12\*00052\*12~

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	SDQ01	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken See Section III for code list. EA Each	M ID 2/2
Must Use	SDQ02	66	<b>Identification Code Qualifier</b> 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
Must Use	SDQ03	67	<b>Identification Code</b> Code identifying a party or other code Boscov's 5 digit Store number (must use leading zeros)	M AN 2/80
Must Use	SDQ04	380	<b>Quantity</b> Numeric value of quantity	M R 1/15
	SDQ05	67	<b>Identification Code</b> Code identifying a party or other code Boscov's 5 digit Store number (must use leading zeros)	X AN 2/80
	SDQ06	380	<b>Quantity</b> Numeric value of quantity	X R 1/15
	SDQ07	67	<b>Identification Code</b> Code identifying a party or other code Boscov's 5 digit Store number	X AN 2/80
	SDQ08	380	<b>Quantity</b> Numeric value of quantity	X R 1/15

<b>SDQ09</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code Boscov's 5 digit Store number	<b>X</b>	<b>AN 2/80</b>
<b>SDQ10</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>X</b>	<b>R 1/15</b>
<b>SDQ11</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code Boscov's 5 digit Store number	<b>X</b>	<b>AN 2/80</b>
<b>SDQ12</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>X</b>	<b>R 1/15</b>
<b>SDQ13</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code Boscov's 5 digit Store number	<b>X</b>	<b>AN 2/80</b>
<b>SDQ14</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>X</b>	<b>R 1/15</b>
<b>SDQ15</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code Boscov's 5 digit Store number	<b>X</b>	<b>AN 2/80</b>
<b>SDQ16</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>X</b>	<b>R 1/15</b>
<b>SDQ17</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code Boscov's 5 digit Store number	<b>X</b>	<b>AN 2/80</b>
<b>SDQ18</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>X</b>	<b>R 1/15</b>
<b>SDQ19</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code Boscov's 5 digit Store number	<b>X</b>	<b>AN 2/80</b>
<b>SDQ20</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>X</b>	<b>R 1/15</b>



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

**Example:**  
 CTT\*1~

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
			The number of LIN segments present in the transaction set	

**Segment:** **SE** Transaction Set Trailer  
**Position:** 020  
**Loop:**  
**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)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Example:**

SE\*8\*852000706~

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set This must be the same number as is in the ST segment (ST02) for the transaction set.	M AN 4/9

**Segment:** **GE** Functional Group Trailer  
**Position:** 030  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of a functional group and to provide control information  
**Syntax Notes:**  
**Semantic Notes:** 1 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.  
**Comments:** 1 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	GE01	97	<b>Number of Transaction Sets Included</b> 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	<b>Group Control Number</b> Assigned number originated and maintained by the sender	M N0 1/9

**Segment:** **IEA** Interchange Control Trailer  
**Position:** 040  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control segments

**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	IEA01	I16	<b>Number of Included Functional Groups</b> A count of the number of functional groups included in an interchange	M N0 1/5
Must Use	IEA02	I12	<b>Interchange Control Number</b> A control number assigned by the interchange sender	M N0 9/9

## Example

Sample Product Activity Data Transaction

ST\*852\*852000706~  
XQ\*H\*20010111\*20010112~  
N9\*DP\*00559~  
LIN\*\*UP\*028448616263~  
ZA\*QS~  
SDQ\*EA\*92\*00051\*12\*00052\*12~  
CTT\*1~  
SE\*8\*852000706~