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

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)

Need an EDI Solution?

We have selected GXS Inc. to administer our EDI operations and to enable our trading partners. For those trading partners who do not trade documents electronically, GXS offers a number of electronic commerce solutions to assist you.

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

For all other solutions, call 1-800-872-8255. Select Option 1, then Option 4.

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:

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

Heading:

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

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			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:

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

Envelope:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ISA01	I01	**Authorization Information Qualifier**	M	ID 2/2

Code to identify the type of information in the Authorization Information

    00   No Authorization Information Present (No Meaningful Information in I02)

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ISA02	I02	**Authorization Information**	M	AN 10/10

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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ISA03	I03	**Security Information Qualifier**	M	ID 2/2

Code to identify the type of information in the Security Information

    00   No Security Information Present (No Meaningful Information in I04)

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ISA04	I04	**Security Information**	M	AN 10/10

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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ISA05	I05	**Interchange ID Qualifier**	M	ID 2/2

Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

    01   Duns (Dun & Bradstreet)

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ISA06	I06	**Interchange Sender ID**	M	AN 15/15

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"

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ISA07	I05	**Interchange ID Qualifier**	M	ID 2/2

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.

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ISA08	I07	**Interchange Receiver ID**	M	AN 15/15

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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ISA09	I08	**Interchange Date**	M	DT 6/6

Date of the interchange

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ISA10	I09	**Interchange Time**	M	TM 4/4

Time of the interchange

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ISA11	I10	**Interchange Control Standards Identifier**	M	ID 1/1

Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer

			U	U.S. EDI Community of ASC X12, TDCC, and UCS		

Must Use   **ISA12**   **I11**   **Interchange Control Version Number**   **M**   **ID 5/5**

This version number covers the interchange control segments

     00401   Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997

Must Use   **ISA13**   **I12**   **Interchange Control Number**   **M**   **N0 9/9**

A control number assigned by the interchange sender

Must Use   **ISA14**   **I13**   **Acknowledgment Requested**   **M**   **ID 1/1**

Code sent by the sender to request an interchange acknowledgment (TA1)

     0   No Acknowledgment Requested

Must Use   **ISA15**   **I14**   **Usage Indicator**   **M**   **ID 1/1**

Code to indicate whether data enclosed by this interchange envelope is test, production or information

     P   Production Data
     T   Test Data

Must Use   **ISA16**   **I15**   **Component Element Separator**   **M**   **AN 1/1**

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

     >   The value identified for retail use

Segment: $\quad$ **GS** Functional Group Header

Position:	020
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of a functional group and to provide control information
Syntax Notes:	
Semantic Notes:	**1** GS04 is the group date.
	2 GS05 is the group time.
	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.
Comments:	**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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	GS01	479	Functional Identifier Code	M	ID 2/2
			Code identifying a group of application related transaction sets		
			PD $\quad$ Product Activity Data (852)		
Must Use	GS02	142	Application Sender's Code	M	AN 2/15
			Code identifying party sending transmission; codes agreed to by trading partners		
			Boscov's ID is "014492501"		
Must Use	GS03	124	Application Receiver's Code	M	AN 2/15
			Code identifying party receiving transmission; codes agreed to by trading partners		
Must Use	GS04	373	Date	M	DT 8/8
			Date expressed as CCYYMMDD		
Must Use	GS05	337	Time	M	TM 4/8
			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)		
Must Use	GS06	28	Group Control Number	M	N0 1/9
			Assigned number originated and maintained by the sender		
Must Use	GS07	455	Responsible Agency Code	M	ID 1/2
			Code used in conjunction with Data Element 480 to identify the issuer of the standard		
			X $\quad$ Accredited Standards Committee X12		
Must Use	GS08	480	Version / Release / Industry Identifier Code	M	AN 1/12
			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 $\quad$ Draft Standards Approved for Publication by ASC X12 procedures Review Board through October 1997, Version 4, Release 1, the VICS EDI subset		

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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			852 Product Activity Data		
Must Use	ST02	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		
			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.		

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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	XQ01	305	**Transaction Handling Code**	M	ID 1/2
			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		
Must Use	XQ02	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
	XQ03	373	**Date**	O	DT 8/8
			Date expressed as CCYYMMDD		

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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N901	128	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			DP Department Number		
Must Use	N902	127	**Reference Identification**	**X**	**AN 1/30**
			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)		

Segment:	**LIN** Item Identification	
Position:	010	
Loop:	LIN Optional	
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify basic item identification data	
Syntax Notes:	1	If either LIN04 or LIN05 is present, then the other is required.
	2	If either LIN06 or LIN07 is present, then the other is required.
	3	If either LIN08 or LIN09 is present, then the other is required.
	4	If either LIN10 or LIN11 is present, then the other is required.
	5	If either LIN12 or LIN13 is present, then the other is required.
	6	If either LIN14 or LIN15 is present, then the other is required.
	7	If either LIN16 or LIN17 is present, then the other is required.
	8	If either LIN18 or LIN19 is present, then the other is required.
	9	If either LIN20 or LIN21 is present, then the other is required.
	10	If either LIN22 or LIN23 is present, then the other is required.
	11	If either LIN24 or LIN25 is present, then the other is required.
	12	If either LIN26 or LIN27 is present, then the other is required.
	13	If either LIN28 or LIN29 is present, then the other is required.
	14	If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:	1	LIN01 is the line item identification
Comments:	1	See the Data Dictionary for a complete list of IDs.
	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.
Notes:	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

	Ref. Des.	Data Element	Name	Attributes
	LIN01	**350**	**Assigned Identification**	**O AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set	
Must Use	**LIN02**	**235**	**Product/Service ID Qualifier**	**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**	**Product/Service ID**	**M AN 1/48**
			Identifying number for a product or service	

Segment:		$\textbf{ZA}$ **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

	Ref. Des.	Data Element	Name	Attributes
Must Use	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
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

Segment: # SDQ **Destination Quantity**
Position: 110
Loop: ZA Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: >1
Purpose: To specify destination and quantity detail
Syntax Notes:
1 If either SDQ05 or SDQ06 is present, then the other is required.
2 If either SDQ07 or SDQ08 is present, then the other is required.
3 If either SDQ09 or SDQ10 is present, then the other is required.
4 If either SDQ11 or SDQ12 is present, then the other is required.
5 If either SDQ13 or SDQ14 is present, then the other is required.
6 If either SDQ15 or SDQ16 is present, then the other is required.
7 If either SDQ17 or SDQ18 is present, then the other is required.
8 If either SDQ19 or SDQ20 is present, then the other is required.
9 If either SDQ21 or SDQ22 is present, then the other is required.
Semantic Notes:
1 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.
Comments:
1 SDQ02 is used only if different than previously defined in the transaction set.
2 SDQ03 is the store number.
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.
Notes: This segment is used to distribute item quantity to various locations.

If this segment is used to specify the quantity of the item identified in the LIN segment, ZA02 and ZA03 are not used.

Example:
SDQ*EA*92*00051*12*00052*12~

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	SDQ01	355	**Unit or Basis for Measurement Code**	M	ID 2/2

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

| Must Use | SDQ02 | 66 | **Identification Code Qualifier** | O | ID 1/2 |

Code designating the system/method of code structure used for Identification Code (67)
   92   Assigned by Buyer or Buyer's Agent

| Must Use | SDQ03 | 67 | **Identification Code** | M | AN 2/80 |

Code identifying a party or other code
Boscov's 5 digit Store number (must use leading zeros)

| Must Use | SDQ04 | 380 | **Quantity** | M | R 1/15 |

Numeric value of quantity

| | SDQ05 | 67 | **Identification Code** | X | AN 2/80 |

Code identifying a party or other code
Boscov's 5 digit Store number (must use leading zeros)

| | SDQ06 | 380 | **Quantity** | X | R 1/15 |

Numeric value of quantity

| | SDQ07 | 67 | **Identification Code** | X | AN 2/80 |

Code identifying a party or other code
Boscov's 5 digit Store number

| | SDQ08 | 380 | **Quantity** | X | R 1/15 |

Numeric value of quantity

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

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

	Ref. Des.	Data Element	Name	Attributes
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

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	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	
			This must be the same number as is in the ST segment (ST02) for the transaction set.	

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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	GE01	97	**Number of Transaction Sets Included**	M	N0 1/6
			Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element		
Must Use	GE02	28	**Group Control Number**	M	N0 1/9
			Assigned number originated and maintained by the sender		

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

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

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~