

852 Product Activity Data

X12/V3040/852: 852 Product Activity Data

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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
030	XPO	Preassigned Purchase Order Numbers	O	>1			Used

<u>LOOP ID - N1</u>					<u>200</u>	<u>N1/060L</u>	
060	N1	Name	O	1		N1/060	Used
130	N9	Reference Number	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>
<u>LOOP ID - LIN</u>					<u>999999</u>		
150	LIN	Item Identification	O	1			Used
<u>LOOP ID - ZA</u>					<u>99</u>	<u>N2/180L</u>	
180	ZA	Product Activity Reporting	M	1		N2/180	Must use
200	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>
210	CTT	Transaction Totals	O	1		N3/210	Used
220	SE	Transaction Set Trailer	M	1			Must use

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>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

1/060L The reporting location is required. The reporting location is specified explicitly in the N1 segment using the code RL in N101, or implicitly using the SDQ segment (Table 2) with the location data elements. They are

- mutually exclusive (the SDQ and the N1 with N101 containing RL).
- 1/060 The reporting location is required. The reporting location is specified explicitly in the N1 segment using the code RL in N101, or implicitly using the SDQ segment (Table 2) with the location data elements. They are mutually exclusive (the SDQ and the N1 with N101 containing RL).
- 2/180L 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, but not in both.
- 2/180 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, but not in both.
- 3/210 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.

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 one 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	M	ID	2/2	Must use
Description: Code to identify the type of information in the Authorization Information						
Code Name						
00 No Authorization Information Present (No Meaningful Information in I02)						
ISA02	I02	Authorization Information	M	AN	10/10	Must use
Description: Information used for additional identification or authorization of the sender or the data in the interchange. The type of information is set by the Authorization Information Qualifier.						
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
Description: Code to identify the type of information in the Security Information						
Code Name						
00 No Security Information Present (No Meaningful Information in I04)						
ISA04	I04	Security Information	M	AN	10/10	Must use
Description: This is used for identifying the security information about the sender or the data in the interchange. The type of information is set by the Security Information Qualifier.						
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
Code Name						
14 Duns Plus Suffix						
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
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						
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
All valid standard codes are used.						
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
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 route data to them						
ISA09	I08	Interchange Date	M	DT	6/6	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Date of the interchange				
ISA10	I09	Interchange Time	M	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use
		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.				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments				
		Code Name				
		00304 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1993				
ISA13	I12	Interchange Control Number	M	NO	9/9	Must use
		Description: This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with the sender ID it uniquely identifies the interchange data to the receiver. It is suggested that the sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment				
		Code Name				
		0 No Acknowledgment Requested				
ISA15	I14	Test Indicator	M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test or production				
		Code Name				
		P Production Data				
ISA16	I15	Subelement Separator	M	AN	1/1	Must use
		Description: This is a field reserved for future expansion in separating data element subgroups. (In the interest of a migration to international standards, this must be different from the data element separator).				

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	M	ID	2/2	Must use
Description: Code identifying a group of application related transaction sets						
<u>Code</u> <u>Name</u>						
PD Product Activity Data (852)						
GS02	142	Application Sender's Code	M	AN	2/15	Must use
Description: Code identifying party sending transmission; codes agreed to by trading partners						
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
Description: Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	Date	M	DT	6/6	Must use
Description: Date (YYMMDD)						
GS05	337	Time	M	TM	4/8	Must use
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)						
GS06	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard						
<u>Code</u> <u>Name</u>						
X Accredited Standards Committee X12						
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
Description: 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						

<u>Code</u>	<u>Name</u>
003040	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1993

Semantics:

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.

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	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set.

Code Name

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ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

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	M	ID	1/1	Must use

Description: Code designating the action to be taken by all parties.

Code Name

H	Notification Only
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XQ02	373	Date	M	DT	6/6	Must use
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Description: Date (YYMMDD).

The Home Depot Requirements: *Starting Date*

XQ03	373	Date	O	DT	6/6	Used
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Description: Date (YYMMDD).

The Home Depot Requirements: *Ending Date*

Semantics:

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

XPO Preassigned Purchase Order Numbers

Pos: 030	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To transmit preassigned purchase order numbers

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>
XPO01	324	Purchase Order Number	M	AN	1/22	Must use
Description: Identifying number for Purchase Order assigned by the orderer/purchaser. The Home Depot Requirements: <i>This is for The Home Depot's internal use only. The trading partner should not map or use this field in any manner.</i>						
XPO02	324	Purchase Order Number	O	AN	1/22	Used
Description: Identifying number for Purchase Order assigned by the orderer/purchaser.						

Syntax Rules:

1. P0304 - If either XPO03 or XPO04 is present, then the other is required.

Semantics:

1. XPO01 is the preassigned purchase order number. If a range of purchase order numbers is to be transmitted, use XPO01 for the first number and XPO02 as the ending number.

Comments:

1. XPO03 and XPO04 specify the location that the purchase order numbers apply to.

Loop N1

Pos: 060	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
060	N1	Name	O	1		Used
130	N9	Reference Number	O	>1		Used

N1 Name

Pos: 060	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

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	2/2	Must use				
Description: Code identifying an organizational entity, a physical location, or an individual										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>RL</td><td>Reporting Location</td></tr></table>							<u>Code</u>	<u>Name</u>	RL	Reporting Location
<u>Code</u>	<u>Name</u>									
RL	Reporting Location									
N102	93	Name	X	AN	1/35	Used				
Description: Free-form name.										

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N9 Reference Number

Pos: 130	Max: >1
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

To transmit identifying numbers and descriptive information as specified by the reference number 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 Number Qualifier	M	ID	2/2	Must use

Description: Code qualifying the Reference Number.

Code Name

DP Department Number

VR Merchandising Vendor Number

N902	127	Reference Number	X	AN	1/30	Used
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Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

The Home Depot Requirements: *If N901 is "DP", the N902 will be the 3-digit Department number*

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.

Loop LIN

Pos: 150	Repeat: 999999
Optional	
Loop: LIN	Elements: N/A

User Option (Usage): Used

To specify basic item identification data.

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
150	LIN	Item Identification	O	1		Used
180		Loop ZA	M		99	Must use

LIN Item Identification

Pos: 150	Max: 1
Detail - Optional	
Loop: LIN	Elements: 6

User Option (Usage): Used

To specify basic item identification data.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 SK Stock Keeping Unit (SKU)						
LIN03	234	Product/Service ID	M	AN	1/30	Must use
Description: Identifying number for a product or service.						
The Home Depot Requirements: 6-Digit Home Depot SKU number						
LIN04	235	Product/Service ID Qualifier	O	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).						
Code Name VP Vendor's (Seller's) Part Number						
LIN05	234	Product/Service ID	X	AN	1/30	Used
Description: Identifying number for a product or service.						
LIN06	235	Product/Service ID Qualifier	O	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).						
Code Name UP UPC Consumer Package Code (1-5-5-1)						
LIN07	234	Product/Service ID	X	AN	1/30	Used
Description: Identifying number for a product or service.						

Syntax Rules:

1. C0405 - If LIN04 is present, then LIN05 is required.
2. C0607 - If LIN06 is present, then LIN07 is required.
3. C0809 - If LIN08 is present, then LIN09 is required.
4. C1011 - If LIN10 is present, then LIN11 is required.
5. C1213 - If LIN12 is present, then LIN13 is required.
6. C1415 - If LIN14 is present, then LIN15 is required.
7. C1617 - If LIN16 is present, then LIN17 is required.
8. C1819 - If LIN18 is present, then LIN19 is required.

9. C2021 - If LIN20 is present, then LIN21 is required.
10. C2223 - If LIN22 is present, then LIN23 is required.
11. C2425 - If LIN24 is present, then LIN25 is required.
12. C2627 - If LIN26 is present, then LIN27 is required.
13. C2829 - If LIN28 is present, then LIN29 is required.
14. C3031 - If LIN30 is present, then LIN31 is required.

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of ID's.
2. LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Loop ZA

Pos: 180	Repeat: 99
Mandatory	
Loop: ZA	Elements: N/A

User Option (Usage): Must use

To provide activity details concerning product being reported

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
180	ZA	Product Activity Reporting	M	1		Must use
200	SDQ	Destination Quantity	O	>1		Used

ZA Product Activity Reporting

Pos: 180	Max: 1
Detail - Mandatory	
Loop: ZA	Elements: 3

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	M	ID	2/2	Must use

Description: Code identifying activity details for the product being reported.

Code Name

QE Ending Balance Quantity

The Home Depot Requirements:

Not provided on History files

QS Quantity Sold

ZA04	374	Date/Time Qualifier	X	ID	3/3	Used
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Description: Code specifying type of date or time, or both date and time.

Code Name

174 Month Ending

The Home Depot Requirements:

For History Only

ZA05	373	Date	X	DT	6/6	Used
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Description: Date (YYMMDD).

The Home Depot Requirements: *Period ending date for History files only*

Syntax Rules:

1. P0203 - If either ZA02 or ZA03 is present, then the other is required.
2. P0405 - If either ZA04 or ZA05 is present, then the other is required.
3. P0607 - If either ZA06 or ZA07 is present, then the other is required.

SDQ Destination Quantity

Pos: 200	Max: >1
Detail - Optional	
Loop: ZA	Elements: 4

User Option (Usage): Used

To specify destination and quantity detail.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

DO Dollars

The Home Depot Requirements:

Amount rounded to the nearest whole dollar

EA Each

The Home Depot Requirements:

Home Depot's Unit of Measure code for the identified product.

SDQ02	66	Identification Code Qualifier	O	ID	1/2	Used
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Description: Code designating the system/method of code structure used for Identification Code (67).

Code Name

56 Buying Office Number

92 Store Number

MK Market Number

SDQ03	67	Identification Code	M	AN	2/17	Must use
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Description: Code identifying a party or other code.

SDQ04	380	Quantity	M	R	1/15	Must use
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Description: Numeric value of quantity.

The Home Depot Requirements: *Quantity Sold, Retail Dollar Amount, or On-Hand Quantity based on preceding ZA01 code.*

Syntax Rules:

1. C0506 - If SDQ05 is present, then SDQ06 is required.
2. C0708 - If SDQ07 is present, then SDQ08 is required.
3. C0910 - If SDQ09 is present, then SDQ10 is required.
4. C1112 - If SDQ11 is present, then SDQ12 is required.
5. C1314 - If SDQ13 is present, then SDQ14 is required.
6. C1516 - If SDQ15 is present, then SDQ16 is required.
7. C1718 - If SDQ17 is present, then SDQ18 is required.
8. C1920 - If SDQ19 is present, then SDQ20 is required.
9. C2122 - If SDQ21 is present, then SDQ22 is required.

Semantics:

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. 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.

CTT Transaction Totals

Pos: 210	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	M	N0	1/6	Must use

Description: Total number of line items in the transaction set.

Syntax Rules:

1. C0304 - If CTT03 is present, then CTT04 is required.
2. C0506 - If CTT05 is present, then CTT06 is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

Pos: 220	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	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments.						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Comments:

1. SE is the last segment of each transaction set.

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

Semantics:

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.

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 one 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	M	N0	1/5	Must use
Description: A count of the number of functional groups included in a transmission.						
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
Description: This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with the sender ID it uniquely identifies the interchange data to the receiver. It is suggested that the sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.						