

# **855 Purchase Order Acknowledgment**

**X12/V4010/855 : 855 Purchase Order Acknowledgment**

**Version: 2.0 Final**

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<b>Publication:</b>	<b>8/26/2016</b>
<b>Modified:</b>	<b>8/25/2016</b>

# Notes

## EDI notes

The EDI messages use UTF8/Unicode characters and the field data is limited to the following characters:

A through Z (upper or lowercase) (non-English characters are not permitted)

0 through 9

! " & ' ( ) / + , - . : ; = (space) % @ [ ] \_ { } # \$

All messages between trading partners need to meet EDI validation.

Upon receiving an EDI message the trading party will validate the message and return a 997 Functional Acknowledgment.

The sample segments and messages included in this guide use the asterisk as the data element separator. The separators used for actual EDI transmissions will be agreed upon with each trading partner.

Note-D&H requires any segment reflected in this guide as 'mandatory' (note under the usage section) to be transmitted in your documents. We will accept all valid X12 segments (By Ansi standards) but will only process those required for our business unless otherwise negotiated during your implementation

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# 855 Purchase Order Acknowledgment

Functional Group=PR

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

## 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>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use
010	ST	Transaction Set Header	M	1			Must use
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
050	REF	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>
<b>LOOP ID - PO1</b>					<b>100000</b>	<b>N2/010L</b>	
010	PO1	Baseline Item Data	O	1		N2/010	Used
<b>LOOP ID - ACK</b>					<b>104</b>		
270	ACK	Line Item Acknowledgment	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>
<b>LOOP ID - CTT</b>					<b>1</b>	<b>N3/010L</b>	
010	CTT	Transaction Totals	O	1		N3/010	Used
030	SE	Transaction Set Trailer	M	1			Must use
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

## Notes:

2/010L PO102 is required.

2/010 PO102 is required.

3/010L The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

3/010 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

# ISA Interchange Control Header

<b>Pos:</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 16</b>

**User Option (Usage):** Must use

**Purpose:** 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	<b>Authorization Information Qualifier</b>	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	<b>Authorization Information</b>	M	AN	10/10	Must use
-------	-----	----------------------------------	---	----	-------	----------

**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)

ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
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**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	<b>Security Information</b>	M	AN	10/10	Must use
-------	-----	-----------------------------	---	----	-------	----------

**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)

ISA05	I05	<b>Interchange ID Qualifier</b>	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

### **D & H Use/Samples:**

01- D & H US

08- D & H Canada

### Code Name

01 Duns (Dun & Bradstreet)

08 UCC EDI Communications ID (Comm ID)

12 Phone (Telephone Companies)

ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
<b>Description:</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 <b>D &amp; H Use/Samples:</b> <i>D &amp; H Production and Test ID's</i>  7172557825 - Production 7172557825T - Test 243337024 - Canada Production 243337024T - Canada Testing						
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>D &amp; H Use/Samples:</b> <i>Customer Qualifier</i>						
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use
<b>Description:</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 <b>D &amp; H Use/Samples:</b> <i>Receiver(Customer) ID</i>						
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use
<b>Description:</b> Date of the interchange						
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use
<b>Description:</b> Time of the interchange						
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use
<b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer  <b>Code Name</b> U U.S. EDI Community of ASC X12, TDCC, and UCS						
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use
<b>Description:</b> Code specifying the version number of the interchange control segments						

**Code Name**

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ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
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**Description:** A control number assigned by the interchange sender

ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
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**Description:** Code sent by the sender to request an interchange acknowledgment (TA1)

**Code Name**

0 No Acknowledgment Requested

ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use
-------	-----	------------------------	---	----	-----	----------

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

**Code Name**

P Production Data

T Test Data

ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
-------	-----	------------------------------------	---	--	-----	----------

**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

**D & H Use/Samples:**

>

**D & H Use/Samples:**

ISA\*00\* \*00\* \*01\*007911209 \*12\*999999999999 \*160228\*1043\*U\*00401\*000006753\*0\*P\*>

# GS Functional Group Header

<b>Pos:</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 8</b>

**User Option (Usage):** Must use

**Purpose:** 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	<b>Functional Identifier Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying a group of application related transaction sets				
		<b>Code Name</b> PR Purchase Order Acknowledgement (855)				
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
		<b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners				
		<b>D &amp; H Use/Samples:</b> 007911209- Production 007911209T- Test 243337024- Canada 243337024- Canada Testing				
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
		<b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners				
		<b>D &amp; H Use/Samples:</b> Customer Identifier				
GS04	373	<b>Date</b>	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD				
GS05	337	<b>Time</b>	M	TM	4/8	Must use
		<b>Description:</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)				
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use
		<b>Description:</b> Assigned number originated and maintained by the sender				
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	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>
		<b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480				
		<u>Code</u> <u>Name</u> X      Accredited Standards Committee X12				
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
		<b>Description:</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				
		<u>Code</u> <u>Name</u> 004010   Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				

### 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.

### D & H Use/Samples:

GS\*PR\*007911209\*4089078000\*20160228\*1043\*6753\*X\*004010~

# ST Transaction Set Header

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

**User Option (Usage):** Must use

**Purpose:** 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	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use				
<b>Description:</b> Code uniquely identifying a Transaction Set										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>855</td><td>Purchase Order Acknowledgment</td></tr></table>							<u>Code</u>	<u>Name</u>	855	Purchase Order Acknowledgment
<u>Code</u>	<u>Name</u>									
855	Purchase Order Acknowledgment									
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use				
<b>Description:</b> 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).

## D & H Use/Samples:

ST\*855\*0001

# BAK Beginning Segment for Purchase Order Acknowledgment

<b>Pos: 020</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 4</b>

**User Option (Usage):** Must use

**Purpose:** To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

## 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>								
BAK01	353	<b>Transaction Set Purpose Code</b>	M	ID	2/2	Must use								
<b>Description:</b> Code identifying purpose of transaction set														
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>00</td><td>Original</td></tr></table>							<u>Code</u>	<u>Name</u>	00	Original				
<u>Code</u>	<u>Name</u>													
00	Original													
BAK02	587	<b>Acknowledgment Type</b>	M	ID	2/2	Must use								
<b>Description:</b> Code specifying the type of acknowledgment														
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>AC</td><td>Acknowledge - With Detail and Change</td></tr><tr><td>AD</td><td>Acknowledge - With Detail, No Change</td></tr><tr><td>ZZ</td><td>Mutually Defined</td></tr></table>							<u>Code</u>	<u>Name</u>	AC	Acknowledge - With Detail and Change	AD	Acknowledge - With Detail, No Change	ZZ	Mutually Defined
<u>Code</u>	<u>Name</u>													
AC	Acknowledge - With Detail and Change													
AD	Acknowledge - With Detail, No Change													
ZZ	Mutually Defined													
BAK03	324	<b>Purchase Order Number</b>	M	AN	1/22	Must use								
<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser														
BAK04	373	<b>Date</b>	M	DT	8/8	Must use								
<b>Description:</b> Date expressed as CCYYMMDD														

## Semantics:

1. BAK04 is the date assigned by the purchaser to purchase order.
2. BAK08 is the seller's order number.
3. BAK09 is the date assigned by the sender to the acknowledgment.

## D & H Use/Samples:

BAK\*00\*AC\*801222\*20150129~

# REF Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify identifying 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>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
<b>Description:</b> Code qualifying the Reference Identification						
<b>Code Name</b> IA Internal Vendor Number						
REF02	127	Reference Identification	X	AN	1/30	Used
<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Semantics:

1. REF04 contains data relating to the value cited in REF02.

## D & H Use/Samples:

REF\*IA\*12345

# PO1 Baseline Item Data

<b>Pos: 010</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: PO1</b>	<b>Elements: 10</b>

**User Option (Usage):** Used

**Purpose:** To specify basic and most frequently used line item 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>
PO101	350	<b>Assigned Identification</b>  <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Must use
PO102	330	<b>Quantity Ordered</b>  <b>Description:</b> Quantity ordered	X	R	1/15	Must use
PO103	355	<b>Unit or Basis for Measurement Code</b>  <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  <u>Code</u> <u>Name</u> EA Each	O	ID	2/2	Used
PO104	212	<b>Unit Price</b>  <b>Description:</b> Price per unit of product, service, commodity, etc.	X	R	1/17	Used
PO106	235	<b>Product/Service ID Qualifier</b>  <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)  <u>Code</u> <u>Name</u> UP U.P.C. Consumer Package Code (1-5-5-1)	X	ID	2/2	Must use
PO107	234	<b>Product/Service ID</b>  <b>Description:</b> Identifying number for a product or service	X	AN	1/48	Must use
PO108	235	<b>Product/Service ID Qualifier</b>  <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)  <u>Code</u> <u>Name</u> VP Vendor's (Seller's) Part Number	X	ID	2/2	Must use
PO109	234	<b>Product/Service ID</b>  <b>Description:</b> Identifying number for a product or service	X	AN	1/48	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>
PO110	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Must use
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
<b><u>Code</u> <u>Name</u></b>						
BP Buyer's Part Number						
PO111	234	<b>Product/Service ID</b>	X	AN	1/48	Used
<b>Description:</b> Identifying number for a product or service						

### Syntax Rules:

1. C0302 - If PO103 is present, then PO102 is required.
2. C0504 - If PO105 is present, then PO104 is required.
3. P0607 - If either PO106 or PO107 is present, then the other is required.
4. P0809 - If either PO108 or PO109 is present, then the other is required.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

### Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

### D & H Use/Samples:

*PO1\*21\*10\*EA\*\*\*UP\*SSDSC2BB080G401\*VP\*927197\*BP\*0475059999999*

# ACK Line Item Acknowledgment

<b>Pos: 270</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: ACK</b>	<b>Elements: 5</b>

**User Option (Usage):** Used

**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item

## 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>
ACK01	668	<b>Line Item Status Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code specifying the action taken by the seller on a line item requested by the buyer				
		<b>Code Name</b> IA Item Accepted IB Item Backordered IC Item Accepted - Changes Made ID Item Deleted IR Item Rejected				
ACK02	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
ACK03	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>Code Name</b> EA Each				
ACK04	374	<b>Date/Time Qualifier</b>	O	ID	3/3	Used
		<b>Description:</b> Code specifying type of date or time, or both date and time				
		<b>Code Name</b> 010 Requested Ship				
ACK05	373	<b>Date</b>	X	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				

## Syntax Rules:

1. P0203 - If either ACK02 or ACK03 is present, then the other is required.
2. C0405 - If ACK04 is present, then ACK05 is required.
3. P0708 - If either ACK07 or ACK08 is present, then the other is required.
4. P0910 - If either ACK09 or ACK10 is present, then the other is required.
5. P1112 - If either ACK11 or ACK12 is present, then the other is required.
6. P1314 - If either ACK13 or ACK14 is present, then the other is required.

7. P1516 - If either ACK15 or ACK16 is present, then the other is required.
8. P1718 - If either ACK17 or ACK18 is present, then the other is required.
9. P1920 - If either ACK19 or ACK20 is present, then the other is required.
10. P2122 - If either ACK21 or ACK22 is present, then the other is required.
11. P2324 - If either ACK23 or ACK24 is present, then the other is required.
12. P2526 - If either ACK25 or ACK26 is present, then the other is required.
13. P2728 - If either ACK27 or ACK28 is present, then the other is required.
14. C282729 - If ACK28 is present, then ACK27 and ACK29 are required.

**Semantics:**

1. ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

**D & H Use/Samples:**

*ACK\*IA\*10\*PC\*010\*20150212*



# CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 1

**User Option (Usage):** Used

**Purpose:** 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. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

## Comments:

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

## D & H Use/Samples:

CTT\*6

# SE Transaction Set Trailer

Pos: 030	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**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)

## 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	<b>Number of Included Segments</b>	M	N0	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> 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.

## D & H Use/Samples:

SE\*2283\*0004

# GE Functional Group Trailer

<b>Pos:</b>	<b>Max: 1</b>
<b>Summary - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 2</b>

**User Option (Usage):** Must use

**Purpose:** 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	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use
		<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use
		<b>Description:</b> 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.

## D & H Use/Samples:

GE\*4\*706

# IEA Interchange Control Trailer

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

**User Option (Usage):** Must use

**Purpose:** 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	M	N0	1/5	Must use
		<b>Description:</b> A count of the number of functional groups included in an interchange				
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				

## D & H Use/Samples:

IEA\*1\*000000706

## D & H Use/Samples 2:

```

ISA*00* 00* *ZZ*1111111111 *01*007911209
*150129*2215*U*00401*000122406*0*P*>~
GS*PR*1111111111*007911209*20150129*2215*3152*X*004010~
ST*855*3152~
BAK*00*AC*801222*20150129~
PO1*1*140*****UP*893647*VP*EXPI9301CTBLK*BP*999999999999 ~
ACK*IA*****010*20150205~
CTT*1~
SE*10*3152~
GE*1*3152~
IEA*1*000122406~

```