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# **855 Purchase Order Acknowledgment**

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

**Version: 1.1 Final**

<b>Author:</b>	<b>Advance Auto Parts</b>
<b>Company:</b>	<b>Advance Auto Parts</b>
<b>Publication:</b>	<b>9/23/2013</b>
<b>Notes:</b>	



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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.

#### 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	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
050	REF	Reference Identification	O	>1			Used
150	DTM	Date/Time Reference	O	10			Used
<b>LOOP ID - N1</b>					<b>200</b>		
300	N1	Name	O	1			Used
310	N2	Additional Name Information	O	2			Used
320	N3	Address Information	O	2			Used
330	N4	Geographic Location	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	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>
0	CTT	Transaction Totals	O	1			Must use

#### 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>
030	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:

- 2/010L PO102 is required. Only used for POR.  
2/010 PO102 is required.

# ISA Interchange Control Header

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

**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
		<b>Description:</b> Code to identify the type of information in the Authorization Information <b>All valid standard codes are used. (Total Codes: 7)</b>				
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
		<b>Description:</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)				
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code to identify the type of information in the Security Information <b>All valid standard codes are used. (Total Codes: 2)</b>				
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
		<b>Description:</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)				
ISA05	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>CodeList Summary</b> (Total Codes: 38, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		01	Duns (Dun & Bradstreet)			
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 Advance Auto Parts INTERCHANGE ID 007941529				
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				
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				
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>All valid standard codes are used. (Total Codes: 1)</b>				

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 <b>All valid standard codes are used. (Total Codes: 14)</b>																
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use										
<b>Description:</b> A control number assigned by the interchange sender																
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use										
<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)																
<b>CodeList Summary</b> (Total Codes: 2, Included: 1)																
<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No Acknowledgment Requested</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	0	No Acknowledgment Requested						
<u>Code</u>	<u>Name</u>															
0	No Acknowledgment Requested															
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use										
<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information																
<b>CodeList Summary</b> (Total Codes: 3, Included: 2)																
<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>P</td> <td>Production Data</td> </tr> <tr> <td>T</td> <td>Test Data</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	P	Production Data	T	Test Data				
<u>Code</u>	<u>Name</u>															
P	Production Data															
T	Test Data															
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use										
<b>Description:</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.																
<table border="0"> <tr> <td>Type</td> <td>HEX</td> <td>ASCII</td> <td>Data Element Separator</td> <td>2A</td> </tr> <tr> <td>* Segment Terminator</td> <td>7E</td> <td>~</td> <td>Component Element Separator</td> <td>3C &lt;</td> </tr> </table>							Type	HEX	ASCII	Data Element Separator	2A	* Segment Terminator	7E	~	Component Element Separator	3C <
Type	HEX	ASCII	Data Element Separator	2A												
* Segment Terminator	7E	~	Component Element Separator	3C <												

**GS****Functional Group Header**

<b>Pos:</b>	<b>Max: 1</b>
<b>Not Defined - 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>CodeList Summary</b> (Total Codes: 240, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		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						
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						
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
<b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
<b>CodeList Summary</b> (Total Codes: 2, Included: 1)						
		<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						
<b>CodeList Summary</b> (Total Codes: 39, Included: 1)						
		<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.

# ST Transaction Set Header

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

**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	Transaction Set Identifier Code	M	ID	3/3	Must use

**Description:** Code uniquely identifying a Transaction Set

**CodeList Summary** (Total Codes: 298, Included: 1)

<u>Code</u>	<u>Name</u>
855	Purchase Order Acknowledgment

ST02	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

## 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).

# BAK Beginning Segment for Purchase Order Acknowledgment

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

**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	Transaction Set Purpose Code	M	ID	2/2	Must use

**Description:** Code identifying purpose of transaction set

**CodeList Summary** (Total Codes: 65, Included: 3)

<u>Code</u>	<u>Name</u>
06	Confirmation
13	Request
44	Rejection

BAK02	587	Acknowledgment Type	M	ID	2/2	Must use
-------	-----	---------------------	---	----	-----	----------

**Description:** Code specifying the type of acknowledgment. AP is only for Purchase Order Request.

**CodeList Summary** (Total Codes: 15, Included: 4)

<u>Code</u>	<u>Name</u>
AC	Acknowledge - With Detail and Change
AP	Acknowledge - Product Replenishment
AT	Accepted
RJ	Rejected - No Detail

BAK03	324	Purchase Order Number	M	AN	1/22	Must use
-------	-----	-----------------------	---	----	------	----------

**Description:** Identifying number for Purchase Order assigned by the orderer/purchaser

BAK04	373	Date	M	DT	8/8	Must use
-------	-----	------	---	----	-----	----------

**Description:** Date expressed as CCYYMMDD

## Semantics:

1. BAK04 is the date assigned by the purchaser to purchase order.

# 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

**Description:** Code qualifying the Reference Identification PO = Vendors Purchase Order Number VR = Vendors Advance Auto Parts Vendor Number

**CodeList Summary** (Total Codes: 1503, Included: 2)

<u>Code</u>	<u>Name</u>
PO	Purchase Order Number
VR	Vendor ID Number

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

**Description:** 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.

# DTM Date/Time Reference

Pos: 150 Max: 10  
 Heading - Optional  
 Loop: N/A Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

## 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>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

**Description:** Code specifying type of date or time, or both date and time

**CodeList Summary** (Total Codes: 1112, Included: 2)

<u>Code</u>	<u>Name</u>
067	Current Schedule Delivery
068	Current Schedule Ship

DTM02	373	Date	X	DT	8/8	Used
-------	-----	------	---	----	-----	------

**Description:** Date expressed as CCYYMMDD

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.

# Loop Name

<b>Pos: 300</b>	<b>Repeat: 200</b>
<b>Optional</b>	
<b>Loop: N1</b>	<b>Elements: N/A</b>

**User Option (Usage):** Used

**Purpose:** 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>
300	N1	Name	O	1		Used
310	N2	Additional Name Information	O	2		Used
320	N3	Address Information	O	2		Used
330	N4	Geographic Location	O	1		Used

**N1****Name**

<b>Pos: 300</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used**Purpose:** 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	<b>Entity Identifier Code</b>	M	ID	2/3	Must use
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual						
<b>CodeList Summary</b> (Total Codes: 1312, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		ST		Ship To		
N102	93	<b>Name</b>	X	AN	1/60	Used
<b>Description:</b> Free-form name						
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
<b>CodeList Summary</b> (Total Codes: 215, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		92		Assigned by Buyer or Buyer's Agent		
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
<b>Description:</b> Code identifying a party or other code AAP Receiving Location						

**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.

# N2

## Additional Name Information

Pos: 310	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify additional names or those longer than 35 characters in length

### 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>
N201	93	Name	M	AN	1/60	Must use

**Description:** Free-form name



# N3 Address Information

Pos: 320	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify the location of the named party

## 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>
N301	166	<b>Address Information</b>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4 Geographic Location

Pos: 330	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## 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>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				

## Comments:

1. A combination of either N401 through N404 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

# Loop Baseline Item Data

Pos: 010	Repeat: 100000
	Optional
Loop: PO1	Elements: N/A

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

**Purpose:** To specify basic and most frequently used line item 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>
010	PO1	Baseline Item Data	O	1		Must use

# PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Optional	
Loop: PO1	Elements: 9

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

**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>PO Line Number</b>	O	AN	1/20	Must use
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set The PO line number must contain the Purchase Order line number from the original Purchase Order.						
PO102	330	<b>Quantity Ordered</b>	X	R	1/15	Must use
<b>Description:</b> Quantity ordered						
PO103	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Must use
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>CodeList Summary</b> (Total Codes: 794, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		EA		Each		
PO104	212	<b>Unit Price</b>	X	R	1/17	Must use
<b>Description:</b> Price per unit of product, service, commodity, etc.						
PO105	639	<b>Basis of Unit Price Code</b>	O	ID	2/2	Must use
<b>Description:</b> Code identifying the type of unit price for an item						
<b>CodeList Summary</b> (Total Codes: 91, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		PE		Price per Each		
PO106	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>CodeList Summary</b> (Total Codes: 477, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		VP		Vendor's (Seller's) Part Number		
PO107	234	<b>Product/Service ID</b>	X	AN	1/48	Must use
<b>Description:</b> Identifying number for a product or service						
PO108	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>CodeList Summary</b> (Total Codes: 477, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		BP		Buyer's Part Number		
PO109	234	<b>Product/Service ID</b>	X	AN	1/48	Must use
<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.

**Comments:**

1. PO101 is the PO Line Number.
2. PO106 through PO109 provide for two different product/service IDs per each item. For example: Buyer Part Number, Vendor Part Number.

# CTT Transaction Totals

Pos: 0	Max: 1
Not Defined - Optional	
Loop: N/A	Elements: 1

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

**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>
CTT0	354	Number of Line Items	M	NO	1/6	Must use

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

# 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.

# GE Functional Group Trailer

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

**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.



# IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - 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	<b>Number of Included Functional Groups</b>	M	N0	1/5	Must use
		<b>Description:</b> A count of the number of functional groups included in an interchange				
IEA02	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				

**All data contained in the following examples are fictional.****Example**

PO Request

ISA\*00\* \*00\* \*ZZ\*XXXXXXXXXX \*01\*007941529  
 \*130903\*0742\*U\*00401\*000002140\*0\*T\*<~  
 GS\*PR\*XXXXXXXXXX\*007941529\*20130903\*0742\*1\*X\*004010~  
 ST\*855\*0001~  
 BAK\*13\*AP\*449990\*20130729~  
 REF\*PO\*449990~  
 REF\*VR\*54217~  
 DTM\*067\*20130913~  
 DTM\*068\*20130909~  
 N1\*ST\*ADVANCE AUTO\*ZZ\*8537~  
 N2\*ADVANCE AUTO~  
 N3\*6804 W NATIONAL AVE~  
 N4\*WEST ALLIS\*WI\*532140000~  
 N1\*BT\*ADVANCE AUTO\*ZZ\*8537~  
 N2\*ADVANCE AUTO~  
 N3\*P.O. BOX 2710~  
 N4\*ROANOKE\*VA\*24001~  
 N1\*S\*F\*XXXXXXXXXXXXXXXXXX~  
 N2\*XXXXXXXXXXXXXXXXXXXX~  
 N3\*XXXXXXXXXXXXXXXXXXXX~SUITE 12~  
 N4\*MEMPHIS\*TN\*38115~  
 PO1\*1.0\*24\*EA\*9.63\*EA\*\*\*VN\*10204\*IN\*10081315~  
 PID\*F\*\*\*\*PAYDAY SINGLE 1.85OZ 24CT-80723~  
 PO1\*2.0\*12\*EA\*9.89\*EA\*\*\*VN\*84003\*IN\*13020028~  
 PID\*F\*\*\*\*JL JUMBO STEAK TERIYAKI 2OZ 12CT-06073~  
 PO1\*3.0\*30\*EA\*9.76\*EA\*\*\*VN\*114701\*IN\*13030000~  
 PID\*F\*\*\*\*JL SQUATCH STICK ORIGINAL 1OZ 20CT-10000004462~  
 PO1\*4.0\*24\*EA\*9.11\*EA\*\*\*VN\*20046\*IN\*10123105~  
 PID\*F\*\*\*\*PLANTERS NUT & CHOC TRAIL MIX 6OZ 12CT-7862~  
 PO1\*5.0\*18\*EA\*9.68\*EA\*\*\*VN\*11427\*IN\*13020039~  
 PID\*F\*\*\*\*AIRHEADS XTREMES BELTS BERRY SINGLE 2OZ 18CT-67719~  
 PO1\*6.0\*12\*EA\*9.88\*EA\*\*\*VN\*11279\*IN\*10002720~  
 PID\*F\*\*\*\*STRIDE SPEARMINT 14PC 12CT-6800300~  
 PO1\*7.0\*24\*EA\*9.97\*EA\*\*\*VN\*11256\*IN\*13020060~  
 PID\*F\*\*\*\*SOUR PATCH KIDS PEG 5OZ 12CT-1506225~  
 PO1\*8.0\*16\*EA\*9.99\*EA\*\*\*VN\*112530\*IN\*10020029~  
 PID\*F\*\*\*\*CHEX MIX TRADITIONAL PEG 3.75OZ 8CT-35181000~  
 PO1\*9.0\*12\*EA\*9.8\*EA\*\*\*VN\*114718\*IN\*13030017~  
 PID\*F\*\*\*\*PRINGLES SOUR CREAM & ONION 2.5OZ 12CT-84560~  
 PO1\*10.0\*12\*EA\*9.8\*EA\*\*\*VN\*114719\*IN\*13030016~  
 PID\*F\*\*\*\*PRINGLES ORIGINAL 2.38OZ 12CT-84563~  
 PO1\*11.0\*24\*EA\*9.41\*EA\*\*\*VN\*110588\*IN\*13020065~  
 PID\*F\*\*\*\*RING POP FRUIT FEST SINGLE .5OZ 24CT-625~  
 PO1\*12.0\*24\*EA\*9.56\*EA\*\*\*VN\*110566\*IN\*7310049~  
 PID\*F\*\*\*\*PUSH POP FRUIT FRENZY SINGLE .5OZ 24CT-903~  
 PO1\*13.0\*12\*EA\*9.68\*EA\*\*\*VN\*111272\*IN\*13030019~  
 PID\*F\*\*\*\*5 HOUR ENERGY EXTRA STRENGTH 2OZ 12CT-718128~  
 PO1\*14.0\*24\*EA\*9.67\*EA\*\*\*VN\*114651\*IN\*13030033~  
 PID\*F\*\*\*\*COMBOS CHEDDAR CHEESE PRETZEL PEG 6.3OZ 12CT-42005~  
 PO1\*15.0\*24\*EA\*9.15\*EA\*\*\*VN\*10322\*IN\*13020058~

PID\*F\*\*\*\*TWIZZLER NIBS CHERRY PEG 6OZ 12CT-54413~  
 PO1\*16.0\*24\*EA\*9.65\*EA\*\*\*VN\*113453\*IN\*13020071~  
 PID\*F\*\*\*\*REESES PIECES PEG 6OZ 12CT-11601~  
 PO1\*17.0\*30\*EA\*9.76\*EA\*\*\*VN\*114702\*IN\*13030001~  
 PID\*F\*\*\*\*JL SQUATCH STICK HOT 1OZ 20CT-10000004464~  
 CTT\*17~  
 SE\*54\*0001~  
 GE\*1\*1~  
 IEA\*1\*000002140~

## Confirmation - Acknowledge - With Detail and Change

ISA\*00\* \*00\* \*ZZ\*XXXXXXXXXX \*01\*007941529  
 \*130903\*0742\*U\*00401\*000002140\*0\*T\*<~  
 GS\*PR\*XXXXXXXXXX\*007941529\*20130903\*0742\*1\*X\*004010~  
 ST\*855\*0001~  
 BAK\*06\*AC\*123456789\*19981001~  
 REF\*VR\*54217~  
 DTM\*067\*20120829~  
 DTM\*068\*20120827~  
 N1\*ST\*ADVANCE AUTO PARTS #8537\*92\*8537~  
 N2\*ADVANCE AUTO PARTS #8537~  
 N3\*6804 W NATIONAL AVE~  
 N4\*WEST ALLIS\*WI\*53214~  
 PO1\*2\*24\*EA\*9.63\*PE\*VP\*10204\*BP\*10081315~  
 PID\*F\*\*\*\*PAYDAY SINGLE 1.85OZ 24CT-80723~  
 PO1\*3\*24\*EA\*9.15\*PE\*VP\*10322\*BP\*13020058~  
 PID\*F\*\*\*\*TWIZZLER NIBS CHERRY PEG 6OZ 12CT-54413~  
 PO1\*4\*24\*EA\*9.97\*PE\*VP\*11256\*BP\*13020060~  
 PID\*F\*\*\*\*SOUR PATCH KIDS PEG 5OZ 12CT-1506225~  
 PO1\*5\*12\*EA\*9.88\*PE\*VP\*11279\*BP\*10002720~  
 PID\*F\*\*\*\*STRIDE SPEARMINT 14PC 12CT-6800300~  
 PO1\*6\*18\*EA\*9.68\*PE\*VP\*11427\*BP\*13020039~  
 PID\*F\*\*\*\*AIRHEADS XTREMES BELTS BERRY SINGLE 2OZ 18CT-67719~  
 PO1\*7\*24\*EA\*9.11\*PE\*VP\*20046\*BP\*10123105~  
 PID\*F\*\*\*\*PLANTERS NUT CHOC TRAIL MIX 6OZ 12CT-7862~  
 PO1\*8\*12\*EA\*9.68\*PE\*VP\*33501\*BP\*13030019~  
 PID\*F\*\*\*\*5 HOUR ENERGY BERRY 2OZ 12CT-500181~  
 PO1\*9\*12\*EA\*9.89\*PE\*VP\*84003\*BP\*13020028~  
 PID\*F\*\*\*\*JL JUMBO STEAK TERIYAKI 2OZ 12CT-06073~  
 PO1\*10\*30\*EA\*9.76\*PE\*VP\*84070\*BP\*13030000~  
 PID\*F\*\*\*\*JL ORIG X STICK 1.25OZ 30CT-89215~  
 PO1\*11\*30\*EA\*9.76\*PE\*VP\*84088\*BP\*13030001~  
 PID\*F\*\*\*\*JL PEPPERONI X STICK 1.25OZ 30CT-89253~  
 PO1\*12\*24\*EA\*9.56\*PE\*VP\*110566\*BP\*07310049~  
 PID\*F\*\*\*\*FRUIT FRENZY PUSH POP SBPGLE .5OZ 24CT-903~  
 PO1\*13\*24\*EA\*9.41\*PE\*VP\*110588\*BP\*13020065~  
 PID\*F\*\*\*\*FRUIT FEST RING POP SINGLE .5OZ 24CT-625~  
 PO1\*14\*12\*EA\*9.8\*PE\*VP\*111061\*BP\*13030016~  
 PID\*F\*\*\*\*PRINGLES ORIGINAL 2.61OZ 12CT-18520~  
 PO1\*15\*12\*EA\*9.8\*PE\*VP\*111062\*BP\*13030017~  
 PID\*F\*\*\*\*PRINGLES SOUR CREAM ONION 2.61OZ 12CT-18522~  
 PO1\*16\*24\*EA\*9.67\*PE\*VP\*112460\*BP\*13030033~  
 PID\*F\*\*\*\*COMBOS CHEDDAR CHEESE PRETZEL PEG 7OZ 12CT-40685~  
 PO1\*17\*16\*EA\*9.99\*PE\*VP\*112530\*BP\*10020029~  
 PID\*F\*\*\*\*CHEX MIX TRADITIONAL PEG 3.75OZ 8CT-35181000~  
 PO1\*18\*24\*EA\*9.65\*PE\*VP\*113453\*BP\*13020071~

PID\*F\*\*\*REESSES PIECES PEG 6OZ 12CT-11601~  
 CTT\*17~  
 SE\*54\*0001~  
 GE\*1\*1~  
 IEA\*1\*000002140~

## Accepted, No Detail

ISA\*00\* \*00\* \*ZZ\*XXXXXXXXXX \*01\*007941529  
 \*130903\*0742\*U\*00401\*000002140\*0\*T\*~  
 GS\*PR\*XXXXXXXXXX\*007941529\*20130903\*0742\*1\*X\*004010~  
 ST\*855\*0001~  
 BAK\*06\*AT\*123456789\*19981001~  
 REF\*VR\*54217~  
 DTM\*067\*20120829~  
 DTM\*068\*20120827~  
 N1\*ST\*ADVANCE AUTO PARTS #8537\*92\*8537~  
 N2\*ADVANCE AUTO PARTS #8537~  
 N3\*6804 W NATIONAL AVE~  
 N4\*WEST ALLIS\*WI\*53214~  
 SE\*9\*0001~  
 GE\*1\*1~  
 IEA\*1\*000002140~

## Rejected

ISA\*00\* \*00\* \*ZZ\*XXXXXXXXXX \*01\*007941529  
 \*130903\*0742\*U\*00401\*000002140\*0\*T\*~  
 GS\*PR\*XXXXXXXXXX\*007941529\*20130903\*0742\*1\*X\*004010~  
 ST\*855\*0001~  
 BAK\*44\*RJ\*123456789\*19981001~  
 REF\*VR\*54217~  
 DTM\*067\*20120829~  
 DTM\*068\*20120827~  
 N1\*ST\*ADVANCE AUTO PARTS #8537\*92\*8537~  
 N2\*ADVANCE AUTO PARTS #8537~  
 N3\*6804 W NATIONAL AVE~  
 N4\*WEST ALLIS\*WI\*53214~  
 SE\*10\*0001~  
 GE\*1\*1~  
 IEA\*1\*000002140~