

EDI Systems
Electronic Data Interchange (EDI) Mapping
ANSI X12 (Customer's) 855 Purchase Order Acknowledgment
(004010)

855 Purchase Order Acknowledgment

Functional Group ID=**PR**

Introduction:

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.

Notes:

When using any ANSI-X12 transaction there must be additional segments that "ENVELOPE" around the transaction sets.

Every ANSI-X12 transmission must contain, within the COMMUNICATION SESSION, the INTERCHANGE ENVELOPE, FUNCTIONAL GROUP, and TRANSACTION SET.

The interchange header and trailer are always the first and last (respectively) segments within a transmission, and envelope one or more functional groups.

A functional group surrounds a single transaction set (VENDOR Standard).

Each transaction set must begin and end with a header (ST segment) and a trailer (SE segment), and must surround at least one other segment.

ANSI-X12 Segments Requirement Designator used in this Implementation Guide in a "Base Status" column:

M = Mandatory

O = Optional

X = Depends on the presence of another element

D = Dependent (often on a user-defined business rule)

VENDOR Segments Requirement Designator used in this Implementation Guide in a "User Status" column:

M = Mandatory

Must Use = Required in VENDOR conventions, though optional in Standards ('M' and 'Must Use' are functionally equivalent)

O = Optional

Rec = Optional, but recommended in VENDOR convention

Envelope Header:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Status</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
3	010	ISA	M	M	1		Interchange Control Header
5	020	GS	M	M	1		Functional Group Header

Heading:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
7	010	ST	Transaction Set Header	M	M	1		
8	020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	M	1		
10	050	REF	Reference Identification	O	O	>1		
11	150	DTM	Date/Time Reference	O	O	1		
12	155	DTM	Date/Time Reference	O	O	1		
LOOP ID - N1							1	
13	300	N1	Name	O	O	1		
LOOP ID - N1							1	
14	300	N1	Name	O	O	1		

Detail:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - PO1							999	
15	010	PO1	Baseline Item Data	O	O	1		n1
LOOP ID - PID							1	
16	050	PID	Product/Item Description	O	O	1		
LOOP ID - ACK							1	
17	270	ACK	Line Item Acknowledgment	O	Must Use	1		

Summary:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - CTT							1	
19	010	CTT	Transaction Totals	O	O	1		n2
20	030	SE	Transaction Set Trailer	M	M	1		

Envelope Trailer:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Status</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
20	030	GE	M	M	1		Functional Group Trailer
21	040	IEA	M	M	1		Interchange Control Trailer

Transaction Set Notes

1. PO102 is required.

2. 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.

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
Comments:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
ISA01	I01	Authorization Information Qualifier Code to identify the type of information in the Authorization Information	M ID 2/2	M
ISA02	I02	Authorization Information 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)	M AN 10/10	M
ISA03	I03	Security Information Qualifier Code to identify the type of information in the Security Information	M ID 2/2	M
ISA04	I04	Security Information 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)	M AN 10/10	M
ISA05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified ZZ Mutually Defined VENDOR Standard qualifier is 'ZZ'	M ID 2/2	M
ISA06	I06	Interchange Sender ID 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 VENDORXX VENDOR Standard; XXX = VENDOR Company number X	M AN 15/15	M
ISA07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified As provided in EDI850. ZZ Mutually Defined Customer Trading Partner qualifier	M ID 2/2	M
ISA08	I07	Interchange Receiver ID 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 Customer Trading Partner ID. As provided in EDI850.	M AN 15/15	M
ISA09	I08	Interchange Date Date of the interchange YYMMDD	M DT 6/6	M
ISA10	I09	Interchange Time Time of the interchange HHMM	M TM 4/4	M

ISA11	I10	Interchange Control Standards Identifier	M	ID 1/1	M
		Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer			
ISA12	I11	Interchange Control Version Number	M	ID 5/5	M
		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		
ISA13	I12	Interchange Control Number	M	N0 9/9	M
		A control number assigned by the interchange sender			
		Translator generated			
ISA14	I13	Acknowledgment Requested	M	ID 1/1	M
		Code sent by the sender to request an interchange acknowledgment (TA1)			
		Not interpreted for meaning.			
ISA15	I14	Usage Indicator	M	ID 1/1	M
		Code to indicate whether data enclosed by this interchange envelope is test, production or information			
		VENDOR order processing does not allow or trap orders received with the value of 'T'.			
		P	Production Data		
			Not interpreted for meaning.		
		T	Test Data		
			Not interpreted for meaning.		
ISA16	I15	Component Element Separator	M	AN 1/1	M
		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			
		Customer defined			

Segment: **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
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

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
GS01	479	Functional Identifier Code Code identifying a group of application related transaction sets PR Purchase Order Acknowledgement (855)	M ID 2/2	M
GS02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners VENDORXX VENDOR Standard; XXX = VENDOR Company number X	M AN 2/15	M
GS03	124	Application Receiver's Code Code identifying party receiving transmission; codes agreed to by trading partners Customer defined	M AN 2/15	M
GS04	373	Date Date expressed as CCYYMMDD YYYYMMDD	M DT 8/8	M
GS05	337	Time 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) HHMM	M TM 4/8	M
GS06	28	Group Control Number Assigned number originated and maintained by the sender Translator generated	M N0 1/9	M
GS07	455	Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard X Accredited Standards Committee X12	M ID 1/2	M
GS08	480	Version / Release / Industry Identifier Code Code indicating the version, release, sub-release, 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 sub-release, 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 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M AN 1/12	M

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
Comments:

Data Element Summary				
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code	M ID 3/3	M
		Code uniquely identifying a Transaction Set		
		855 Purchase Order Acknowledgment		
ST02	329	Transaction Set Control Number	M AN 4/9	M
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		
		<i>Translator generated.</i>		

Segment: **BAK** Beginning Segment for Purchase Order Acknowledgment
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

Comments:

Data Element Summary					
Ref.	Data		Base	User	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>	
BAK01	353	Transaction Set Purpose Code	M ID 2/2	M	
		Code identifying purpose of transaction set			
		06 Confirmation			
		<i>Always provide this value.</i>			
BAK02	587	Acknowledgment Type	M ID 2/2	M	
		Code specifying the type of acknowledgment			
		AC Acknowledge - With Detail and Change			
		<i>This status will be provided if the OPCO host accepts the order.</i>			
		AH Acknowledge - Hold Status			
		<i>Usually reported when the Customer is On-Stop. The order will NOT ship.</i>			
		RD Reject with Detail			
		<i>This status will be provided if the OPCO host indicated there were issues processing the order. If this status is received, the order was received AFTER CUT-OFF. Please contact your local VENDOR customer service department for additional information.</i>			
BAK03	324	Purchase Order Number	M AN 1/22	M	AN 1/20
		Identifying number for Purchase Order assigned by the orderer/purchaser			
		<i>Purchase Order Number</i>			
BAK04	373	Date	M DT 8/8	M	
		Date expressed as CCYYMMDD			
		<i>YYYYMMDD</i>			
BAK05	328	Release Number	O AN 1/30	O	
		Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction			
		<i>Can be returned from EDI850.</i>			
BAK06	326	Request Reference Number	O AN 1/45	O	
		Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)			
		<i>Not populated.</i>			
BAK07	367	Contract Number	O AN 1/30	O	
		Contract number			
		<i>Can be returned from EDI850.</i>			
BAK08	127	Reference Identification	O AN 1/30	O	AN 1/8
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
		<i>VENDOR Host Order reference</i>			

BAK09	373	Date	O	DT 8/8	M
		Date expressed as CCYYMMDD			
		<i>YYYYMMDD</i>			
BAK10	640	Transaction Type Code	O	ID 2/2	O
		Code specifying the type of transaction			
		<i>Not populated.</i>			

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Usage Notes: This segment may be used or omitted
Notes: *This segment is only provided if it was sent on the EDI850 purchase order. Otherwise, this segment is omitted.*

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification OQ Order Number Qualifies a code that identifies the authorizing documentation for a household goods	M ID 2/3	M
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30	O

Segment: **DTM** Date/Time Reference
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Comments:
Usage Notes: This segment may be used or omitted
Notes: *Delivery date information.*
This segment will only be provided if EDI855 BAK02 is 'AC'. Otherwise, this segment is omitted.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 067 Current Schedule Delivery	M ID 3/3	M
DTM02	373	Date Date expressed as CCYYMMDD YYYYMMDD	X DT 8/8	O
DTM03	337	Time 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) Not populated.	X TM 4/8	O
DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Not populated.	O ID 2/2	O
DTM05	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Not populated.	X ID 2/3	O
DTM06	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times Not populated.	X AN 1/35	O

Segment: **DTM** Date/Time Reference
Position: 155
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Comments:
Usage Notes: This segment may be used or omitted
Notes: *Processing date information*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 102 Issue	M ID 3/3	M
DTM02	373	Date Date expressed as CCYYMMDD <i>YYYYMMDD</i>	X DT 8/8	O
DTM03	337	Time 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) <i>Not populated.</i>	X TM 4/8	O
DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow <i>Not populated.</i>	O ID 2/2	O
DTM05	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format <i>Not populated.</i>	X ID 2/3	O
DTM06	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times <i>Not populated.</i>	X AN 1/35	O

Segment: **N1** Name
Position: 300
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
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.
Usage Notes: This segment may be used or omitted

Data Element Summary					
Ref.	Data	Name	Base	User	
Des.	Element		Attributes	Attributes	
N101	98	Entity Identifier Code	M ID 2/3	M	
		Code identifying an organizational entity, a physical location, property or an individual			
		ST Ship To			
N102	93	Name	X AN 1/60	O	
		Free-form name			
		<i>Not populated.</i>			
N103	66	Identification Code Qualifier	X ID 1/2	O	
		Code designating the system/method of code structure used for Identification Code (67)			
		91 Assigned by Seller or Seller's Agent			
N104	67	Identification Code	X AN 2/80	O	AN 2/6
		Code identifying a party or other code			
		<i>VENDOR 6-digit Customer Number</i>			
N105	706	Entity Relationship Code	O ID 2/2	O	
		Code describing entity relationship			
		<i>Not populated.</i>			
N106	98	Entity Identifier Code	O ID 2/3	O	
		Code identifying an organizational entity, a physical location, property or an individual			
		<i>Not populated.</i>			

Segment: **N1** Name
Position: 300
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
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.
Usage Notes: This segment may be used or omitted

Data Element Summary					
Ref.	Data	Name	Base	User	
Des.	Element		Attributes	Attributes	
N101	98	Entity Identifier Code	M ID 2/3	M	
		Code identifying an organizational entity, a physical location, property or an individual			
		BY Buying Party (Purchaser)			
N102	93	Name	X AN 1/60	O	
		Free-form name			
		<i>Not populated.</i>			
N103	66	Identification Code Qualifier	X ID 1/2	O	
		Code designating the system/method of code structure used for Identification Code (67)			
		91 Assigned by Seller or Seller's Agent			
N104	67	Identification Code	X AN 2/80	O	AN 2/6
		Code identifying a party or other code			
		<i>VENDOR Customer Buyer Reference Number</i>			
N105	706	Entity Relationship Code	O ID 2/2	O	
		Code describing entity relationship			
		<i>Not populated.</i>			
N106	98	Entity Identifier Code	O ID 2/3	O	
		Code identifying an organizational entity, a physical location, property or an individual			
		<i>Not populated.</i>			

Segment: **PO1** **Baseline Item Data**
Position: 010
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic and most frequently used line item data
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.

Usage Notes: This segment may be used or omitted

Data Element Summary

Ref.	Data		Base	User
Des.	Element	Name	Attributes	Attributes
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set <i>PO line reference as provided in EDI850 PO1 segment.</i>	O AN 1/20	O
PO102	330	Quantity Ordered Quantity ordered <i>Item quantity ordered in EDI850 PO1 segment.</i>	X R 1/15	M R 1/5
PO103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Unit of measure of item ordered in EDI850.</i>	O ID 2/2	M
PO104	212	Unit Price Price per unit of product, service, commodity, etc. <i>Confirmed VENDOR SUPC unit price</i>	X R 1/17	O R 1/9
PO105	639	Basis of Unit Price Code Code identifying the type of unit price for an item <i>Unit of measure for price provided in EDI855 PO104.</i>	O ID 2/2	O
PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VC Vendor's (Seller's) Catalog Number	X ID 2/2	M
PO107	234	Product/Service ID Identifying number for a product or service <i>Ordered VENDOR's item number (SUPC).</i>	X AN 1/48	M AN 1/7
PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) IN Buyer's Item Number <i>VENDOR only supports in the 'IN' value in this transaction.</i>	X ID 2/2	O
PO109	234	Product/Service ID Identifying number for a product or service <i>Customer's item number as provided by EDI850 PO109.</i>	X AN 1/48	M AN 1/15

Segment: **PID** Product/Item Description
Position: 050
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Comments: 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3 PID07 specifies the individual code list of the agency specified in PID03.
Usage Notes: This segment may be used or omitted

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1	M
PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic <i>Not populated.</i>	O ID 2/3	O
PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values <i>Not populated.</i>	X ID 2/2	O
PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic <i>Not populated.</i>	X AN 1/12	O
PID05	352	Description A free-form description to clarify the related data elements and their content <i>VENDOR's item (SUPC) description, or the item that will ship. If a substitute item is provided, then this description is for the substitute item.</i>	X AN 1/80	M AN 1/30

Segment: **ACK** Line Item Acknowledgment

Position: 270

Loop: ACK Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

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

Comments:

Usage Notes: The transaction cannot process with out this segment

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
ACK01	668	Line Item Status Code	M ID 2/2	M
		Code specifying the action taken by the seller on a line item requested by the buyer		
		<i>See details of ACK01 in Appendix A.</i>		
		AC Item Accepted and Shipped		
		AR Item Accepted and Released for Shipment		
		BP Item Accepted - Partial Shipment, Balance Backordered		
		<i>Reserved for future use.</i>		
		DR Item Accepted - Date Rescheduled		
		<i>Reserved for future use.</i>		
		IA Item Accepted		
		IB Item Backordered		
		<i>Reserved for future use.</i>		
		IC Item Accepted - Changes Made		
		ID Item Deleted		
		<i>Reserved for future use.</i>		
		IE Item Accepted, Price Pending		
		<i>Reserved for future use.</i>		
		IF Item on Hold, Incomplete Description		
		<i>Reserved for future use.</i>		
		IH Item on Hold		
		IP Item Accepted - Price Changed		
		<i>Reserved for future use.</i>		
		IQ Item Accepted - Quantity Changed		
		IR Item Rejected		
		IS Item Accepted - Substitution Made		
		IW Item on Hold-Waiver Required		
		<i>Reserved for future use.</i>		
		SP Item Accepted - Schedule Date Pending		
ACK02	380	Quantity	X R 1/15	M R 1/5
		Numeric value of quantity		
		<i>Quantity to ship</i>		
ACK03	355	Unit or Basis for Measurement Code	X ID 2/2	M
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		<i>Unit of measure for confirmed SUPC item.</i>		
ACK04	374	Date/Time Qualifier	O ID 3/3	M
		Code specifying type of date or time, or both date and time		
		067 Current Schedule Delivery		

Only if the item is confirmed by Host (ACK01 codes for Acceptance, or Change). Otherwise, the field is empty (ACK01 codes for Error).

ACK05	373	Date	X	DT 8/8	M
		Date expressed as CCYYMMDD			
		<i>The scheduled Delivery Date value if the item is confirmed by the Host. Otherwise, the field is empty.</i>			
		<i>Should be the same value as DTM02 element when DTM01 is '067'.</i>			
ACK06	326	Request Reference Number	O	AN 1/45	O AN 2/2
		Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)			
		<i>This code identifies a specific rejection reason when the line item status code in ACK01 is "IR".</i>			
		<i>II - An invalid SUPC</i>			
		<i>IA - An inactive or proprietary item</i>			
		<i>NS - Split on a non-split item</i>			
		<i>OS - Out of stock (if not subbed)</i>			
		<i>MS - Quantity below minimum split quantity</i>			
		<i>IM - Invalid multiple of minimum split</i>			
		<i>CI - Customer cannot purchase commodity items</i>			
		<i>NQ - Cannot allocate negative quantity</i>			
ACK07	235	Product/Service ID Qualifier	X	ID 2/2	M
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		VC Vendor's (Seller's) Catalog Number			
ACK08	234	Product/Service ID	X	AN 1/48	M AN 1/7
		Identifying number for a product or service			
		<i>VENDOR's item number (SUCP) the customer can expect to receive.</i>			
ACK09	235	Product/Service ID Qualifier	X	ID 2/2	O
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		IN Buyer's Item Number			
		<i>VENDOR only supports the 'IN' value in this element of EDI855 transactions.</i>			
ACK10	234	Product/Service ID	X	AN 1/48	O AN 1/15
		Identifying number for a product or service			
		<i>Customer's item number as provided by EDI850 PO109.</i>			

Segment: **CTT** Transaction Totals
Position: 010
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.
Usage Notes: This segment may be used or omitted

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6	M
CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field. <i>Not populated.</i>	O R 1/10	O

Segment: **SE** Transaction Set Trailer
Position: 030
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)
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
SE01	96	Number of Included Segments	M N0 1/10	M N0 1/6
		Total number of segments included in a transaction set including ST and SE segments		
SE02	329	Transaction Set Control Number	M AN 4/9	M
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a 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
Comments: 1 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

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

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
Comments:

Data Element Summary

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

Appendix A

ACK01 Line Item Status Code Usage Description

Purpose

This purpose of this appendix is to describe in detail what ACK01 status codes are used by VENDOR and to help the Customer with VENDOR's interpretation of these codes.

The EDI ANSI X12 Item Status code element 668 can be categorized into three groups. Group A is a code of acceptance, Group B is a code of change and Group C is a code of error. Following are the codes and their respective groups as used by VENDOR EDI systems.

Group A – Acceptance Codes

AC – Item Accepted and Shipped

AR – Item Accepted and Released for Shipment

IA – Item Accepted

VENDOR currently only provides the value 'AC'. These codes are equal in VENDOR's interpretation. There were no issues with the ordered item. The Customer can expect the items to be delivered as ordered. The other values are considered equal and may be provided in future changes to VENDOR's EDI processing system.

Example of AC Status:

PO1|A1|3|CA|99.99|CA|VC|3333333|IN|ABCDEFGHJKLM~

PID|F|SOME ITEM DESCRIPTION A~

ACK|AC|3|CA|067|20030101||VC|3333333|IN|ABCDEFGHJKLM~

In this simple example the VENDOR SUPC item '3333333' was ordered with a quantity of 3 according to the PO1 information. The resulting status reported by the ACK segment elements confirms that the ordered SUPC will be provided.

Group B – Item Changed Codes

IQ – Item Accepted, Quantity Changed

IS – Item Accepted, Substitutions made

SP – Item Accepted, Schedule date pending

Item codes in this group are provided so that the Customer can be made aware of an item that has been substituted, the quantity was changed, or perhaps a change in schedule date.

Example of IQ Status:

```
PO1||5|CA|99.99|CA|VC|3333333|IN|ABCDEFGHIJKLM~  
PID|F|||SOME ITEM DESCRIPTION A~  
ACK|IQ|3||067|20030618||VC|3333333|IN|ABCDEFGHIJKLM~
```

In this example the original ordered quantity is 5. But for whatever reason the host only allocated 3.

Example of IS Status:

```
PO1||2|CA|99.99|CA|VC|3333333|IN|ABCDEFGHIJKLM~  
PID|F|||SOME ITEM DESCRIPTION A~  
ACK|IS|2|CA|067|20030101||VC|4444444|IN|ABCDEFGHIJKLM~
```

This example shows that VENDOR SUPC item '3333333' was ordered in the 850 but according to the ACK segment, the SUPC item '4444444' will be provided.

Example of SP – Status Pending:

```
PO1||1|CA|99.99|CA|VC|3333333|IN|1234567890~  
PID|F|||SOME ITEM DESCRIPTION A~  
ACK|SP|||||VC|3333333|IN|1234567890~  
PO1||10|CA|99.99|CA|VC|4444444|IN|NOPQRSTU~  
PID|F|||SOME ITEM DESCRIPTION A~  
ACK|SP|||||VC|4444444|IN|NOPQRSTU~
```

A 'Status of Pending' is not considered an error by VENDOR. VENDOR supports orders placed for next day delivery and for what is known as 'skip-day' or 'future' orders (i.e., they are not for next day delivery). If a Customer places an order on Monday Jan 2 and requests a delivery date of Wednesday Jan 4, the Customer should expect the ACK status for all items will be returned as 'SP'. This is because VENDOR does not provide allocation information on these future orders. Only orders for next day delivery will be allocated. A future order will allocate the day before delivery. As a note, VENDOR does not currently provide an updated EDI 855 transaction with confirmed quantities and price. Note also that a delivery date is provided in the ACK04/ACK05 elements. This is because VENDOR recognizes the requested delivery date by the Customer in the original order.

Also, VENDOR supports the ability to provide a partial fill on an item and provide the balance with a substitution. In this case the Customer would see a new item added to their 855 transactions. Note the substituted item will appear first followed by the original ordered SUPC. Below is an example:

```
PO1||10|CA|33.64|CA|VC|3333333|IN|1234567890~  
PID|F|||SOME ITEM DESCRIPTION B~  
ACK|S|5|CA|067|030507||VC|4444444|IN|1234567890~  
PO1||10|CA|33.64|CA|VC|5555555||IN|1234567890~  
PID|F|||SOME ITEM DESCRIPTION A~  
ACK|Q|5|CA|067|030507||VC|3333333|IN|1234567890~
```

Here is a different example showing an item ordered that was fulfilled with 2 substituted items:

```
PO1||10|CA|99.99|CA|VC|3333333|IN|1234567890~  
PID|F|||SOME ITEM DESCRIPTION B~  
ACK|S|5|CA|067|030507||VC|4444444|IN|1234567890~  
PO1||10|CA|99.99|CA|VC|3333333|IN|1234567890~  
PID|F|||SOME ITEM DESCRIPTION C~  
ACK|S|5|CA|067|030507||VC|5555555|IN|1234567890~
```

Group C - Error Codes

IH – Item on Hold
IR – Item Rejected

The simple interpretation is that the item will not be delivered unless further communications take place with the VENDOR distribution center about the Customer's order.

IH – Item on Hold

Used in combination with the header level BAK02 order status. If a value of 'IH – Acknowledgement Hold Status' is provided, the order is on Hold and will not ship until released by the VENDOR location. There are many factors that will cause an order to be on hold. These include credit limits, etc. In this situation it is advised that you contact your account representative.

Examples of IH:

(The BAK segment is from the EDI Header)
BAK|06|AH|1234567890|20030617|||00083076|030617~

PO1||1|CA|99.99|CA|VC|3333333|IN|1234567890~
PID|F|||SOME ITEM DESCRIPTION A~
ACK|IH|||VC|3333333|IN|1234567890~
PO1||10|CA|99.99|CA|VC|4444444|IN|1234567890~
PID|F|||SOME ITEM DESCRIPTION B~
ACK|IH|||VC|4444444|IN|1234567890~

IR – Item Rejected:

'IR' will be returned in ACK01 with a specific rejection reason code in ACK06 for the following reasons:

- An invalid SUPC (II)
- An inactive or proprietary item (IA)
- Split on a non-split item (NS)
- Out of stock (if not subbed) (OS)
- Quantity below minimum split quantity (MS)
- Invalid multiple of minimum split (IM)
- Customer cannot purchase commodity items (CI)
- Cannot allocate negative quantity (NQ)

Examples of IR:

PO1||1|CA|99.99|CA|VC|AB33333|IN|1234567890~
PID|F|||SOME ITEM DESCRIPTION A~
ACK|IR|||VC|AB33333|IN|1234567890~

This Status was returned because the ordered SUPC 'AB33333' is not a valid number.

The following codes, while not currently in use at VENDOR, are reserved for future use and should be supported by our Customers:

IB – Item Backordered

IC – Item Changed

BP – Item Accepted, Partial Shipment, Balance Backordered.

DR – Item Accepted – Date Rescheduled

IE – Item Accepted, Price Pending

IF – Item on Hold, Incomplete Description

IP – Item Accepted, Price Changed. Does not have the ability to monitor price changed from 850 to 855 since any price provided in the 850 is ignored.

IW – Item on Hold – Waiver Required

ID – Item Deleted

SAMPLE PURCHASE ORDER EDI 850

ISA*00* *00* *ZZ*CUSTOMER *ZZ*VENDORXXX
*00401*0101*U*00300*000000001*0*T*>~
GS*PO*CUSTOMER*VENDORXXX*20030101*0101*1*X*004010~
ST*850*1~
BEG*00*SA*12345678901234567890*12345678901234567890*030609~
DTM*002*20030101*0101~
N1*BY**91*123456~
PO1*A-1*3*CS***VC*3333333*IN*1234567890*PD*SOME ITEM DESCRIPTION A*BL*EXCEL~
PO1*B-2*1*CS***VC*4444444*IN*1234567890*PD*SOME ITEM DESCRIPTION B*BL*HORMEL~
PO1*C-3*4*CS***VC*5555555*IN*1234567890*PD*SOME ITEM DESCRIPTION C*BL*RICHES~
CTT*3~
SE*9*1~
GE*1*1~
IEA*1*000000001~

SAMPLE PURCHASE ORDER ACKNOWLEDGMENT EDI 855

ISA|00| |00| |ZZ|VENDORXXX |ZZ|CUSTOMER
|030101|0101|U|00401|123456789|0|P|>~
GS|PR|VENDORXXX|CUSTOMER|20030101|0101|51412|X|004010~
ST|855|1~
BAK|06|AC|12345678901234567890|20030101|12345678901234567890|||20030101~
DTM|067|20030101~
DTM|102|20030101~
N1|ST||91|123456~
PO1|A-1|3|CA|99.99||VC|3333333|IN|1234567890~
PID|F|||SOME ITEM DESCRIPTION A~
ACK|AC|3|CA|067|20030101|VC|3333333|IN|1234567890~
PO1|B-2|1|CA|99.99||VC|4444444|IN|1234509876~
PID|F|||SOME ITEM DESCRIPTION B~
ACK|S|1|CA|067|20030101|VC|4444444|IN|1234509876~
PO1|C-3|4|CA|99.99||VC|5555555|IN|0987654321~
PID|F|||SOME ITEM DESCRIPTION C~
ACK|IR|||VC|5555555|IN|0987654321~
CTT|3~
SE|16|1~
GE|1|51412~
IEA|1|123456789~