EDI Guideline

X12/V4010/855 : Purchase Order Acknowledgment

Version: 2.0

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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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
150	DTM	Date/Time Reference	M	10			Must use
LOOP ID - N9					**1000**		
280	N9	Reference Identification	O	1			Used
290	MSG	Message Text	O	1000			Used
LOOP ID - N1					**3**		
300	N1	Name	M	1			Must use
310	N2	Additional Name Information	O	2			Used
320	N3	Address Information	O	2			Used
330	N4	Geographic Location	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					**100000**	**N2/010L**	
010	PO1	Baseline Item Data	M	1		N2/010	Must use
LOOP ID - PID					**1000**		
050	PID	Product/Item Description	O	1			Used
LOOP ID - ACK					**104**		
270	ACK	Line Item Acknowledgment	M	1			Must use

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT					**1**	**N3/010L**	
010	CTT	Transaction Totals	M	1		N3/010	Must use
030	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	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.

Quebec EDI Healthcare Program 855   Version 2.0

ISA   Interchange Control Header

<table>
<tr><td>Pos:</td><td>Max: 1</td></tr>
<tr><td colspan="2">Not Defined - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 16</td></tr>
</table>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Authorization Information
All valid standard codes are used. (Total Codes: 7)

ISA02	I02	**Authorization Information**	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	**Security Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Security Information
All valid standard codes are used. (Total Codes: 2)

ISA04	I04	**Security Information**	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	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified
All valid standard codes are used. (Total Codes: 38)

ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use

Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element

ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified
All valid standard codes are used. (Total Codes: 38)

ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

Description: Date of the interchange

ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

Description: Time of the interchange

ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use

Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer
All valid standard codes are used. (Total Codes: 1)

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

Description: Code specifying the version number of the interchange control segments

CodeList Summary (Total Codes: 14, Included: 1)

Code	**Name**
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 | Must use |

Description: A control number assigned by the interchange sender

| ISA14 | I13 | **Acknowledgment Requested** | M | ID | 1/1 | Must use |

Description: Code sent by the sender to request an interchange acknowledgment (TA1)
All valid standard codes are used. (Total Codes: 2)

| ISA15 | I14 | **Usage Indicator** | M | ID | 1/1 | Must use |

Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information
All valid standard codes are used. (Total Codes: 3)

| ISA16 | I15 | **Component Element Separator** | 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

GS   Functional Group Header

Pos:	**Max: 1**
Not Defined - Mandatory	
Loop: N/A	**Elements: 8**

User Option (Usage): Must use
Purpose: To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

CodeList Summary (Total Codes: 240, Included: 1)

Code	Name
PR	Purchase Order Acknowledgement (855)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use

Description: Code identifying party sending transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use

Description: Code identifying party receiving transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS05	337	**Time**	M	TM	4/8	Must use

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480
All valid standard codes are used. (Total Codes: 2)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use

Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

CodeList Summary (Total Codes: 39, Included: 1)

Code	Name
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

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use
Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
855	Purchase Order Acknowledgment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 5**

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 1)

Code	Name
06	Confirmation

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK02	587	**Acknowledgment Type**	M	ID	2/2	Must use

Description: Code specifying the type of acknowledgment

CodeList Summary (Total Codes: 15, Included: 5)

Code	Name
AC	Acknowledge - With Detail and Change
AD	Acknowledge - With Detail, No Change
AE	Acknowledge - With Exception Detail Only
AT	Accepted
RD	Reject with Detail

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK03	324	**Purchase Order Number**	M	AN	1/22	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK05	328	**Release Number**	O	AN	1/30	Used

Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction

Semantics:

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

DTM   Date/Time Reference

<table>
<tr><td>Pos: 150</td><td>Max: 10</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 4)

Code	Name
002	Delivery Requested
010	Requested Ship
017	Estimated Delivery
069	Promised for Delivery

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.

Loop Reference Identification

<table>
<tr><td>Pos: 280</td><td>Repeat: 1000</td></tr>
<tr><td colspan="2" align="center">Optional</td></tr>
<tr><td>Loop: N9</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Used
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
280	N9	Reference Identification	O	1		Used
290	MSG	Message Text	O	1000		Used

N9   Reference Identification

Pos: 280   Max: 1
Heading - Optional
Loop: N9   Elements: 2

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 1)

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	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 N902 or N903 is required.

MSG Message Text

User Option (Usage): Used
Purpose: To provide a free-form format that allows the transmission of text information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MSG01	933	**Free-Form Message Text**	M	AN	1/264	Must use

Description: Free-form message text

Loop Name

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
300	N1	Name	M	1		Must use
310	N2	Additional Name Information	O	2		Used
320	N3	Address Information	O	2		Used
330	N4	Geographic Location	O	1		Used

N1 **Name**

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

CodeList Summary (Total Codes: 1312, Included: 3)

Code	Name
BT	Bill-to-Party
ST	Ship To
VN	Vendor

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 215, Included: 3)

Code	Name
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code

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: 2

User Option (Usage): Used
Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				
N202	93	**Name**	O	AN	1/60	Used
		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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4   Geographic Location

<table>
<tr><td>Pos: 330</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	**State or Province Code**	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	**Postal Code**	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	**Country Code**	O	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 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**
Mandatory	
Loop: PO1	**Elements: N/A**

User Option (Usage): Must use
Purpose: To specify basic and most frequently used line item data

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	PO1	Baseline Item Data	M	1		Must use
050		Loop PID	O		1000	Used
270		Loop ACK	M		104	Must use

PO1   Baseline Item Data

User Option (Usage): Must use
Purpose: To specify basic and most frequently used line item data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO101	350	**Assigned Identification**	M	AN	1/20	Must use

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO102	330	**Quantity Ordered**	M	R	1/15	Must use

Description: Quantity ordered

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO103	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

User Note 1: *as per contract agreement*

CodeList Summary (Total Codes: 794, Included: 2)

Code	Name
CA	Case
EA	Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO104	212	**Unit Price**	M	R	1/17	Must use

Description: Price per unit of product, service, commodity, etc.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO106	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 477, Included: 2)

Code	Name
VC	Vendor's (Seller's) Catalog Number
VN	Vendor's (Seller's) Item Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO107	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO108	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 477, Included: 1)

Code	Name
IN	Buyer's Item Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO109	234	**Product/Service ID**	X	AN	1/48	Used

Description: 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. 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.

Loop Product/Item Description

User Option (Usage): Used
Purpose: To describe a product or process in coded or free-form format

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
050	PID	Product/Item Description	O	1		Used

PID   Product/Item Description

<table>
<tr><td></td><td>Pos: 050</td><td>Max: 1</td></tr>
<tr><td></td><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td></td><td>Loop: PID</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

Purpose: To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	O	ID	1/1	Used

    Description: Code indicating the format of a description

    CodeList Summary (Total Codes: 3, Included: 1)

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	X	AN	1/80	Used

    Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.

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.

Loop Line Item Acknowledgment

<table>
<tr><td>Pos: 270</td><td>Repeat: 104</td></tr>
<tr><td colspan="2" align="center">Mandatory</td></tr>
<tr><td>Loop: ACK</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Must use
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
270	ACK	Line Item Acknowledgment	M	1		Must use

ACK   Line Item Acknowledgment

<table>
<tr><td>Pos: 270</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Detail - Mandatory</td></tr>
<tr><td>Loop: ACK</td><td>Elements: 9</td></tr>
</table>

User Option (Usage): Must use
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK01	668	**Line Item Status Code**	M	ID	2/2	Must use

Description: Code specifying the action taken by the seller on a line item requested by the buyer

CodeList Summary (Total Codes: 26, Included: 16)

Code	Name
AC	Item Accepted and Shipped
AR	Item Accepted and Released for Shipment
BP	Item Accepted - Partial Shipment, Balance Backordered
IA	Item Accepted
IB	Item Backordered
IC	Item Accepted - Changes Made
ID	Item Deleted
IF	Item on Hold, Incomplete Description
IP	Item Accepted - Price Changed
IQ	Item Accepted - Quantity Changed
IR	Item Rejected
IS	Item Accepted - Substitution Made
R1	Item Rejected, Not a Contract Item
R2	Item Rejected, Invalid Item Product Number
R3	Item Rejected, Invalid Unit of Issue
R4	Item Rejected, Contract Item not Available

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK02	380	**Quantity**	M	R	1/15	Must use

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK03	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
User Note 1: *as per contract agreement*

CodeList Summary (Total Codes: 794, Included: 2)

Code	Name
CA	Case
EA	Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK04	374	**Date/Time Qualifier**	C	ID	3/3	Used

Description: Code specifying type of date or time, or both date and time
User Note 1: *Estimated Delivery date required for backorders*

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

Code	Name
017	Estimated Delivery
068	Current Schedule Ship

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK05	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD

| ACK07 | 235 | **Product/Service ID Qualifier** | M | ID | 2/2 | Must use |

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 477, Included: 2)

Code	Name
VC	Vendor's (Seller's) Catalog Number
VN	Vendor's (Seller's) Item Number

| ACK08 | 234 | **Product/Service ID** | M | AN | 1/48 | Must use |

Description: Identifying number for a product or service

| ACK09 | 235 | **Product/Service ID Qualifier** | X | ID | 2/2 | Used |

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 477, Included: 1)

Code	Name
IN	Buyer's Item Number

| ACK10 | 234 | **Product/Service ID** | X | AN | 1/48 | Used |

Description: Identifying number for a product or service

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.

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.

Loop Transaction Totals

User Option (Usage): Must use
Purpose: To transmit a hash total for a specific element in the transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	CTT	Transaction Totals	M	1		Must use

CTT   Transaction Totals

User Option (Usage): Must use
Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

Comments:

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

    Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

    Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

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

GE   Functional Group Trailer

User Option (Usage): Must use
Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Must use

    Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE02	28	**Group Control Number**	M	N0	1/9	Must use

    Description: Assigned number originated and maintained by the sender

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA   Interchange Control Trailer

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Must use

Description: A count of the number of functional groups included in an interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender

Sample 855:

```
ISA*00*          *00*          *ZZ*SUPPLIER     *ZZ*HOSPITAL
*150120*1204*U*00401*000014609*0*P**~
GS*PR*SUPPLIER*HOSPITAL*20150120*1204*14609*X*004010~
ST*855*146090004~
BAK*06*AD*999999-D*20150120****36538175*20150120~
DTM*069*20150120~
N1*ST*HOSPITAL*91*99999~
N1*VN*SUPPLIER*91*12345~
PO1*1*1*CA*13.16**VC*AB1234~
PID*F****PRODUCT DESCRIPTION 1~
ACK*IA*1*CA****VC*AB1234~
PO1*2*2*CA*50.25**VC*999999~
PID*F****PRODUCT DESCRIPTION 2~
ACK*IB*2*CA*017*20150122**VC*999999~
PO1*3*1*CA*45**VC*123456CD~
PID*F****PRODUCT DESCRIPTION 3~
ACK*IA*1*CA****VC*123456CD~
CTT*3~
SE*23*146090004~
GE*5*14609~
IEA*1*000014609~
```