



855 Purchase Order Acknowledgment

X12/V4010/855 : 855 Purchase Order Acknowledgment

Version: 1.2

Created:	6/16/2021
Modified:	10/3/2023

Table of Contents

Purchase Order Acknowledgment.....	1
Interchange Control Header	2
Functional Group Header	4
Transaction Set Header	6
Beginning Segment for Purchase Order Acknowledgment.....	7
Currency.....	8
Loop Name	9
Name.....	10
Address Information	11
Geographic Location	12
Loop Baseline Item Data.....	13
Baseline Item Data.....	14
Loop Line Item Acknowledgment.....	16
Line Item Acknowledgment	17
Loop Transaction Totals.....	19
Transaction Totals	20
Monetary Amount.....	21
Transaction Set Trailer.....	22
Functional Group Trailer.....	23
Interchange Control Trailer.....	24
EDI 855 Sample	25

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
040	CUR	Currency	M	1			Used
<u>LOOP ID - N1</u>					<u>200</u>		
300	N1	Name	O	1			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>
<u>LOOP ID - PO1</u>					<u>100000</u>	<u>N2/010L</u>	
010	PO1	Baseline Item Data	M	1			Must use
<u>LOOP ID - ACK</u>					<u>104</u>		
270	ACK	Line Item Acknowledgment	M	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>
<u>LOOP ID - CTT</u>					<u>1</u>	<u>N3/010L</u>	
010	CTT	Transaction Totals	O	1			Used
020	AMT	Monetary Amount	O	1		N3/020	Used
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.
- 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.
- 3/020 If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

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	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										
Code List Summary (Total Codes: 14, Included: 1)										
<table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>00401</td><td>Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997</td></tr></table>							<u>Code</u>	<u>Name</u>	00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997
<u>Code</u>	<u>Name</u>									
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										

User Note 1:

```
ISA|00|    |00|    |ZZ|DKEUS    |ZZ|CUSTOMRID    |210616|1518|U|00401|007947847|0|P|^}
```

User Note 2:

*Preferred element delimiter: | or * Preferred segment delimiter: ~ or }*

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:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
Description: Code identifying a group of application related transaction sets						
Code List Summary (Total Codes: 240, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		PR		Purchase Order Acknowledgement (855)		
GS02	142	Application Sender's Code	M	AN	2/15	Must use
Description: Code identifying party sending transmission; codes agreed to by trading partners						
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
Description: Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
GS05	337	Time	M	TM	4/8	Must use
Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)						
GS06	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
Description: Code 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)						
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						
Code List Summary (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.

User Note 1:

GS|PR|DKEUS|CUSTOMERGS|20210616|1518|7947847|X|004010}

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						
Code List 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).

User Note 1:

ST|855|0001}

BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 020 Max: 1
 Heading - Mandatory
 Loop: N/A Elements: 9

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 All valid standard codes are used. (Total Codes: 65)				
BAK02	587	Acknowledgment Type	M	ID	2/2	Must use
		Description: Code specifying the type of acknowledgment				
		Code List Summary (Total Codes: 15, Included: 2)				
		<u>Code</u>		<u>Name</u>		
		AC		Acknowledge - With Detail and Change		
		AD		Acknowledge - With Detail, No Change		
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				
BAK05	328	Release Number	O	AN	1/30	Not used
		Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction				
BAK06	326	Request Reference Number	O	AN	1/45	Not used
		Description: 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)				
BAK07	367	Contract Number	O	AN	1/30	Not used
		Description: Contract number				
BAK08	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
BAK09	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				

Semantics:

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

User Note 1:

BAK|00|AC|312359|20210616||||70238638|20210616}

CUR Currency

Pos: 040	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

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>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use
Description: Code identifying an organizational entity, a physical location, property or an individual						
Code List Summary (Total Codes: 1312, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		SE		Selling Party		
CUR02	100	Currency Code	M	ID	3/3	Must use
Description: Code (Standard ISO) for country in whose currency the charges are specified						

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

User Note 1:

CUR|SE|USD}

Loop Name

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

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
320	N3	Address Information	O	2		Used
330	N4	Geographic Location	O	1		Used

User Note 1:

N1|ST|CUSTOMER NAME|92|12345} N3|123 LANE|SUITE 2} N4|COMPANY CITY|MN|56655}

N1**Name**

Pos: 300	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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	Entity Identifier Code	M	ID	2/3	Must use
Description: Code identifying an organizational entity, a physical location, property or an individual						
Code List Summary (Total Codes: 1312, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		BT		Bill-to-Party		
		ST		Ship To		
N102	93	Name	X	AN	1/60	Used
Description: Free-form name						
N103	66	Identification Code Qualifier	X	ID	1/2	Used
Description: Code designating the system/method of code structure used for Identification Code (67)						
Code List Summary (Total Codes: 215, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		91		Assigned by Seller or Seller's Agent		
		92		Assigned by Buyer or Buyer's Agent		
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.

User Note 1:

```
N1|ST|CUSTOMER NAME|92|12345}
```

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	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

User Note 1:

N3|123 LANE|SUITE 2}

N4**Geographic Location**

Pos: 330	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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	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.

User Note 1:

```
N4|COMPANY CITY|MN|56655}
```

Loop Baseline Item Data

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

User Option (Usage): Used

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	M	1		Must use
270		Loop ACK	M		104	Must use

User Note 1:

PO1|1|100|EA|5.25|PE|BP|ABC123|IN|LTC2053HMS8#PBF|MG|LTC2053HMS8#PBF}

PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 11

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	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
PO102	330	Quantity Ordered	X	R	1/15	Used
		Description: Quantity ordered				
PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code List Summary (Total Codes: 794, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		EA		Each		
PO104	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
PO105	639	Basis of Unit Price Code	O	ID	2/2	Used
		Description: Code identifying the type of unit price for an item				
		Code List Summary (Total Codes: 91, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		PE		Price per Each		
PO106	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)				
		Code List Summary (Total Codes: 477, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		BP		Buyer's Part Number		
PO107	234	Product/Service ID	X	AN	1/48	Not used
		Description: Identifying number for a product or service				
PO108	235	Product/Service ID Qualifier	X	ID	2/2	Not used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		Code List Summary (Total Codes: 477, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		MG		Manufacturer's Part Number		
PO109	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
PO110	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)				
		Code List Summary (Total Codes: 477, Included: 1)				

		<u>Code</u>	<u>Name</u>			
		VP	Vendor's (Seller's) Part Number			
PO111	234	Product/Service ID		X	AN	1/48
		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.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.

User Note 1:

PO1|1|100|EA|5.25|PE|BP|ABC123|MG|L TC2053HMS8#PBF|VP|L TC2053HMS8#PBF-ND}

Loop Line Item Acknowledgment

Pos: 270	Repeat: 104
Mandatory	
Loop: ACK	Elements: N/A

User Option (Usage): Must use

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

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>
270	ACK	Line Item Acknowledgment	M	1		Must use

Comments:

1. ACK|IA|100|EA|068|20210913}

User Note 1:

ACK|IA|100|EA|068|20210913}

ACK Line Item Acknowledgment

Pos: 270	Max: 1
Detail - Mandatory	
Loop: ACK	Elements: 5

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ACK01	668	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						
Code List Summary (Total Codes: 26, Included: 6)						
		<u>Code</u>		<u>Name</u>		
		BP		Item Accepted - Partial Shipment, Balance Backordered		
		IA		Item Accepted		
		IB		Item Backordered		
		IC		Item Accepted - Changes Made		
		IP		Item Accepted - Price Changed		
		IR		Item Rejected		
ACK02	380	Quantity	X	R	1/15	Used
Description: Numeric value of quantity						
ACK03	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
Code List Summary (Total Codes: 794, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		EA		Each		
ACK04	374	Date/Time Qualifier	O	ID	3/3	Used
Description: Code specifying type of date or time, or both date and time						
Code List Summary (Total Codes: 1112, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		010		Requested Ship		
		068		Current Schedule Ship		
ACK05	373	Date	X	DT	8/8	Used
Description: Date expressed as CCYYMMDD						

Syntax Rules:

1. P0203 - If either ACK02 or ACK03 is present, then the other is required.
2. C0405 - If ACK04 is present, then ACK05 is required.
3. P0708 - If either ACK07 or ACK08 is present, then the other is required.
4. P0910 - If either ACK09 or ACK10 is present, then the other is required.
5. P1112 - If either ACK11 or ACK12 is present, then the other is required.
6. P1314 - If either ACK13 or ACK14 is present, then the other is required.
7. P1516 - If either ACK15 or ACK16 is present, then the other is required.
8. P1718 - If either ACK17 or ACK18 is present, then the other is required.
9. P1920 - If either ACK19 or ACK20 is present, then the other is required.
10. P2122 - If either ACK21 or ACK22 is present, then the other is required.
11. P2324 - If either ACK23 or ACK24 is present, then the other is required.
12. P2526 - If either ACK25 or ACK26 is present, then the other is required.
13. P2728 - If either ACK27 or ACK28 is present, then the other is required.

14. C282729 - If ACK28 is present, then ACK27 and ACK29 are required.

User Note 1:

ACK|/A|100|EA|068|20210913}

Loop Transaction Totals

Pos: 010	Repeat: 1
Optional	
Loop: CTT	Elements: N/A

User Option (Usage): Used

Purpose: To transmit a hash total for a specific element in the transaction set

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	CTT	Transaction Totals	O	1		Used
020	AMT	Monetary Amount	O	1		Used

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

User Option (Usage): Used

Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

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

Description: Total number of line items in the transaction set

CTT02	347	Hash Total	O	R	1/10	Used
-------	-----	------------	---	---	------	------

Description: 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.

Syntax Rules:

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

Comments:

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

AMT Monetary Amount

Pos: 020	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

User Option (Usage): Used

Purpose: To indicate the total monetary amount

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>
AMT01	522	Amount Qualifier Code	M	ID	1/3	Must use
Description: Code to qualify amount All valid standard codes are used. (Total Codes: 1473)						
AMT02	782	Monetary Amount	M	R	1/18	Must use
Description: Monetary amount						

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

Comments:

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

GE Functional Group Trailer

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

User Option (Usage): Must use

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

Semantics:

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

Comments:

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

IEA**Interchange Control Trailer**

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

User Option (Usage): Must use**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control segments**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must use
Description: A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
Description: A control number assigned by the interchange sender						

EDI 855 Sample

ISA|00| 00| |ZZ|DKEUS |ZZ|CUSTOMER1 |210629|0552|U|00401|008061143|0|P|^}
 GS|PR|DKEUS|CUSTOMER1|20210629|0552|8061143|X|004010}
 ST|855|0001}
 BAK|00|AC|9910011|20210628|||70442942|20210629}
 N1|ST|CUSTOMER NAME|92|AZ1234}
 N3|123 LANE|SUITE 75}
 N4|BLOOMINGTON|MN|566260000}
 PO1|1|1000|EA|5.25|PE|BP|ABC123|MG|LTC2053HMS8#PBF|VP|LTC2053HMS8#PBF-ND}
 ACK|IA|100|EA|068|20210913}
 ACK|IA|900|EA|068|20211013}
 CTT|1}
 SE|10|0001}
 GE|1|8061143}
 IEA|1|008061143}