855 Purchase Order Acknowledgment

X12/V4010/ 855: 855 Purchase Order Acknowledgment

Notes

EDI notes

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

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

0 through 9

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

All messages between trading partners need to meet EDI validation.

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

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

855 Purchase Order Acknowledgment

Functional Group=PR

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

Heading:

POS	Tag	Segment Name	Status	Repetition	Usage
	ISA	Interchange Control Header	M	1	Must Use
	GS	Group Control Header	M	1	Must Use
010	ST	Transaction Set Header	M	1	Must Use
020	BAC	Beginning Segment for Purchase Order Acknowledgment	M	1	Must Use
050	REF	Reference Identification	M	12	Must Use

Detail:

POS	Tag	Segment Name	Status	Repetition	Usage
		Loop ID -PO!		200000	
010	PO1	Baseline Item Data	M	1	Must Use
		Loop ID - ACK		100	
270	ACK	Line Item Acknowledgement	M	1	Must Use

Summary:

POS	Tag	Segment Name	Status	Repetition	Usage
010	CTT	Transaction Totals	M	1	Must Use
030	SE	Transaction Set Trailer	M	1	Must Use
	GE	Functional Group Trailer	M	1	Must Use
	IEA	Interchange Control Trailer	M	1	Must Use

Notes:

Only one 855 transaction per interchange (do not batch multiple 855's into the same interchange).

2/010L PO102 is required.

2/010 PO102 is required.

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.

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(CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

ISA Interchange Control Header

Pos:

Max: 1

Heading: Mandatory

Loop: N/A

Elements: 16

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

REF	ID	Element Name	Required	Min /Max Usage
ISA00		Segment Identifier	M	
ISA01	101	Authorization Qualifier Code:'00' = No. Authorization Info. Present	M	2/2
ISA02	102	Authorization Information Description: All Spaces	M	10/10
ISA03	103	Security Information Qualifier Code: ‘0’	M	2/2
ISA04	104	Security Information Description: Blanks	M	10/10
ISA05	105	Interchange ID Qualifier Description: Partner’s Interchange ID Qualifier	M	2/2
ISA06	106	Interchange Sender ID Description: Partner’s Interchange ID	M	10/10
ISA07	105	Interchange ID Qualifier Code: ‘12’	M	2/2
ISA08	107	Interchange Receiver ID Code: ‘2184632312’	M	10/10
ISA09	108	Creation Date Description: Date expressed as YYMMDD	M	6/6
ISA10	109	Creation Time Description: Time expressed as HHMM	M	4/4
ISA11	110	Standards Identifier Code: ‘U’ = USA EDI Community	M	1/1
ISA12	111	Version ID Code: ‘00401’ Version Release	M	5/5

ISA13	112	Interchange Control No. Description: Starting Sequentially at 000000001	M	9/9
ISA14	113	Acknowledgement Requested Code:’0” = No Acknowledgement	M	1/1
ISA15	114	Test Indicator Code: ‘T’ = Test Data / Parallel or ‘P’ = Production	M	1/1
ISA16	115	Data Element Separator Code: ‘*’ = Hex 5C	M	1/1
ISA17	116	Segment Separator Code: ‘?’ = Hex 6F	M	1/1

GS Functional Group Header

Pos:

Max: 1

Heading – Mandatory

Loop: N/A

Elements: 8

Purpose: To indicate the beginning of a functional group and to provide control information

Element Summary:

REF	ID	Element Name	Required	Min /Max Usage
GS00		Segment Identifier	M	
GS01	479	Functional ID Code Code: 'PR' = Purchase Order Acknowledgement	M	2
GS02	142	Application's Sender Code Code: '2184632312' =North America or '21846323121' = EMEA	M	10
GS03	124	Application's Receiver Code Description: Partner's GS ID	M	2/12
GS04	373	Interchange Date Description: Date expressed as CCYYMMDD	M	8
GS05	337	Interchange Time Description: Time expressed as HHMM	M	4
GS06	28	Group Control No. Description: Sequentially starting at 000000001	M	1/9
GS07	455	Responsible Agency Code Code: 'X' = ANSI X12	M	1/2
GS08	480	Version / Release Code: '004010'	M	1/12

ST Transaction Set Header

Pos: 010

Max: 1

Heading - Mandatory

Loop: N/A

Elements: 2

Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

REF	ID	Element Name	Type	Required	Min /Max Usage
ST01	143	**Transaction Set Identifier Code** **Description:** Code uniquely identifying a **Transaction Set Code Name** 855 Purchase Order Acknowledgment	ID	M	3/3
ST02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	AN	M	4/9

BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 020

Max: 1

Heading - Mandatory

Loop: N/A

Elements: 4

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

Element Summary:

REF	ID	Element Name	Type	Required	Min /Max Usage
BAK01	353	**Transaction Set Purpose Code** **Description:** Code identifying purpose of transaction set **Code Name** 00 Original	ID	M	2/2
BAK02	587	**Acknowledgement Type** **Description:** Code specifying the type of acknowledgement **Code Name** AC Acknowledge - With Detail and Change AD Acknowledge - With Detail, No Change BAK02 = AC can only be used in combination with ACK01 = DR or IP or IQ BAK02 = AD can only be used in combination with ACK01 = IA	ID	M	2/2
BAK03	324	**Purchase Order Number** **Description**: Identifying number for the Purchase Order assigned by the purchaser	AN	M	1/7
BAK04	373	**Date** **Description:** Date expressed as CCYYMMDD	DT	M	8/8

REF Reference Identification

Pos: 050

Max: >1

Heading - Mandatory

Loop: N/A

Elements: 2

Purpose: To specify identifying information

Element Summary:

REF	ID	Element Name	Type	Required	Min /Max Usage
REF01	128	**Reference Identification Qualifier** **Description**: Code qualifying the Reference Identification **Code Name** VR Vendor ID Number	M	ID	2/3
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Polaris assigned supplier number. Base number only without trailing alpha. Expressed as 99999 (not 99999A)	M	AN	1/6

REF Reference Identification

Pos: 050

Max: >1

Heading – Optional

Loop: N/A

Elements: 2

Purpose: To specify identifying information

Element Summary:

REF	ID	Element Name	Type	Required	Min /Max Usage
REF01	128	**Reference Identification Qualifier** **Description**: Code qualifying the Reference Identification ZZ Mutually Defined	O	ID	2/3
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Free form - reason for change Example: Cannot meet current due date	X	AN	1/300

PO1 Baseline Item Data

Pos: 010

Max: 1

Detail - Mandatory

Loop: PO1

Elements: 10

Purpose: To specify basic and most frequently used line item data

Element Summary:

REF	ID	Element Name	Type	Required	Min /Max Usage
PO101	350	**Assigned Identification** **Description:** Alphanumeric characters assigned for differentiation within a transaction set (Needs to be Line Item Sequence from 850/860)	AN	M	
PO102	330	**Quantity Ordered** **Description:** Quantity Ordered	R	M	
PO103	355	**Unit or Basis of Measurement Code** **Description:** Code specifying the units in which a value is being expressed or way a measurement has been taken	ID	M	2/2
PO104	212	**Unit price** **Description**: per unit of product service commodity etc.	R	M	
PO108	235	**Product/Service D Qualifier** **Description:** Code identifying the type/source of the descriptive number used in the Product/Service ID (234) **Code Name** VP Vendor's (Seller's) Part Number	ID	O	2/2
POI09	234	**Product / Service ID** **Description:** Identifying number for a product or service	AN	O	
POI10	235	**Product/Service D Qualifier** **Description:** Code identifying the type/source of the descriptive number used in the Product/Service ID (234) **Code Name** BP Buyer's Part Number	ID	M	2/2
PO111	234	**Product / Service ID** **Description:** Identifying number for a product or service	AN	M	

ACK Line Item Acknowledgment

Pos: 270

Max: 1

Detail - Mandatory

Loop: ACK

Elements: 5

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

Element Summary:

REF	ID	Element Name	Type	Required	Min /Max Usage
ACK01	668	**Line Item Status Code** **Description:** Code specifying the action taken by the seller on a line item requested by the buyer **Code Name** IA Item Accepted DR Item Accepted - Date Rescheduled IP Item Accepted - Price Changed IQ Item Accepted - Quantity Changed BAK02 = AC can only be used in combination with ACK01 = DR or IP or IQ BAK02 = AD can only be used in combination with ACK01 = IA	ID	M	2/2
ACK02	380	**Quantity** **Description:** Numeric value of quantity	R	M	1/15
ACK03	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed or way in which a measurement has been taken.	ID	M	2/2
ACK04	374	**Date/Time Qualifier** **Description:** Code specifying type of date or time or both date and time. **Code Name** 067 Current Delivery Schedule	ID	M	3/3
ACK05	373	**Date** **Description:** Date expressed as CCYYMMDD	DT	M	8/8
ACK06	326	**Price**	R	M	1/20

CTT Transaction Totals

Pos: 010

Max: 1

Summary - Mandatory

Loop: CTT

Elements: 1

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

Element Summary:

REF	ID	Element Name	Type	Required	Min /Max Usage
CTT01	354	Number of Line Items Description: Total number of line items in the transaction set	NO	M	

SE Transaction Set Trailer

Pos: 030

Max: 1

Summary - Mandatory

Loop: N/A

Elements: 2

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	Type	Required	Min /Max Usage
SE01	96	Number of Included Segments	NO	M	1/6
SE02	329	Transaction Set Control Number	AN	M	4/9

GE Functional Group Trailer

Pos:

Max: 1

Summary - Mandatory

Loop: N/A

Elements: 2

Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

REF	ID	Element Name	Type	Required	Min /Max Usage
GE00		Segment Identifier		M	
GE01	97	Number of Included Sets	NO	M	1/6
GE02	28	Group Control Number	NO	M	1/9

IEA Interchange Control Trailer Pos: Max: 1

Summary - Mandatory

Loop: N/A Elements: 2

User Option (Usage): Must use

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

REF	ID	Element Name	Type	Required	Min /Max Usage
IEA00		Segment Identifier		M	
IEA01	116	Number of Included Segments	NO	M	1/5
IEA02	112	Interchange Control No.	NO	M	9/9

Samples

Sample 1 – Order acknowledged; no change requested.

ISA*00* *00* *01*11111 *12*2184632312 *110615*0725*U*00401*100157746*0*P*>

GS*PR*11111*2184632312*20210615*0725*200157746*X*004010

ST*855*300213654~

BAK*00*AD*P801222*20210615~

REF*VR*99999~

REF*ZZ*ACCEPTED~

PO1*1*140*EA*5.00****VP*EXPI9301CTBLK*BP*1011518~

ACK*IA*140*EA*067*20210617*5.00~

CTT*1~

SE*11*300213654~

GE*1*200157746~

IEA*1*1001577466~

Sample 2 – Order acknowledged; change requested.

ISA*00* *00* *01*11111 *12*2184632312 *230411*1002*U*00401*000114680*0*P*<

GS*PR*11111*2184632312*20230411*1002*114680*X*004010

ST*855*0001

BAK*00*AC*PAAAAAA*20230411

REF*VR*99999

REF*ZZ*DATE RESCHEDULED QTY CHANGED

PO1*1*100*BG*1.74****VP*0000001*BP*0000001

ACK*DR*100*EA*074*20230412*1.74

PO1*12*100*BG*1740****VP*0000002*BP*0000002

ACK*IQ*100*EA*074*20230412*1740

ACK*DR*100*EA*074*20230412*1740

CTT*2

SE*11*0001

GE*1*114680

IEA*1*000114680