



855

PURCHASE ORDER ACKNOWLEDGMENT

Functional Group - PR

This X12 Transaction Set 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.

Interchange Header:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
010	ISA	Interchange Control Header	M	1	
020	GS	Functional Group Header	M	1	

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
010	ST	Transaction Set Header	M	1	
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1	
040	CUR	Currency	M	1	
050	REF	Reference Identification	M	>1	
080	FOB	F.O.B. Related Instructions	O	>1	
120	SAC	Allowance or Charge Information	O	25	
240	TD5	Carrier Details (Routing Sequence)	O	12	

LOOP ID - N9					1000
280	N9	Extended Reference Information	O	1	
290	MSG	Message Text	O	>1	

LOOP ID - N1					200
300	N1	Party Identification	M	1	
320	N3	Party Location	M	2	
330	N4	Geographic Location	M	>1	
350	PER	Administrative Communications Contact	O	>1	



Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
LOOP ID - PO1					100000
010	PO1	Baseline Item Data	M	1	
130	SAC	Allowance or Charge Information	O	25	
LOOP ID - ACK					104
270	ACK	Line Item Acknowledgment	M	1	

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
LOOP ID - CTT					1
010	CTT	Transaction Totals	M	1	
030	SE	Transaction Set Trailer	M	1	

Interchange Trailer:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
010	GE	Functional Group Trailer	M	1	
020	IEA	Interchange Control Trailer	M	1	



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Delimiters being used:

- Element: *
- Segment: ~
- Sub-Element/Component: >

Encoding being used:

- UTF-8



ISA - Interchange Control Header
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	'00'
ISA02	I02	Authorization Information	M	AN	10/10	10 Blanks
ISA03	I03	Security Information Qualifier	M	ID	2/2	'00'
ISA04	I04	Security Information	M	AN	10/10	10 Blanks
ISA05	I05	Sender ID Qualifier	M	ID	2/2	Sender ID Qualifier
ISA06	I06	Sender ID	M	AN	15/15	Sender ID
ISA07	I07	Receiver ID Qualifier	M	ID	2/2	Receiver ID Qualifier
ISA08	I08	Receiver ID	M	AN	15/15	Receiver ID
ISA09	I09	Date	M	DT	6/6	YYMMDD Format
ISA10	I10	Time	M	TM	4/4	HHMM Format
ISA11	I65	Control Standard	M		1/1	'U'
ISA12	I11	Control Version	M	ID	5/5	'00401'
ISA13	I12	Interchange Control Number	M	N0	9/9	Sequential number assigned by vendor
ISA14	I13	Acknowledgement Requested	M	ID	1/1	'0' - No '1' - Yes
ISA15	I14	Test Indicator	M	ID	1/1	'T' - Test 'P' - Production
ISA16	I15	Sub-Element	M		1/1	'>'

GS - Functional Group Header
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
GS01	479	Functional ID	M	ID	2/2	PR
GS02	142	Sender ID	M	AN	2/15	Sender ID
GS03	124	Receiver ID	M	AN	2/15	Receiver ID
GS04	373	Date	M	DT	8/8	CCYYMMDD Format
GS05	337	Time	M	TM	4/8	HHMM, HHMMSS, or HHMMSSDD format
GS06	28	Group Control Number	M	N0	1/9	Sequential number assigned by vendor
GS07	455	Agency Code	M	ID	1/1	'X'
GS08	480	Version	M	AN	1/12	'004010'



ST - Transaction Set Header
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
ST01	143	Transaction Set Identifier Code	M	ID	3/3	'855' – Purchase Order Acknowledgment
ST02	329	Transaction Set Control Number	M	AN	4/9	Assigned by Sender

BAK - Beginning Segment for Purchase Order Acknowledgment
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
BAK01	353	Transaction Set Purpose Code	M	ID	2/2	'00' – Original
BAK02	587	Acknowledgment Type	M	ID	2/2	'AD' – Acknowledge with Detail, No Change 'AC' – Acknowledge with Detail, Change 'RD' – Reject with Detail
BAK03	324	Purchase Order Number	M	AN	1/22	
BAK04	373	Date	M	DT	8/8	PO Date
BAK09	373	Date	O	DT	8/8	Acknowledgment Date
*When BAK02 = RD, this indicates that the order is cancelled and will not be fulfilled						
*When BAK02 = AD, this indicates all order data is accepted as it was received, no changes permitted or processed.						

CUR - Currency
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
CUR01	98	Entity Identifier Code	M	ID	2/3	'BY' – Buying Party
CUR02	100	Currency Code	M	ID	3/3	Any valid X12 code



REF - Reference Information
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
REF01	128	Reference Identification Qualifier	M	ID	2/3	'19' – Legends Company/Division (Mandatory) 'CO' – Customer Order Number (Optional)
REF02	127	Reference Identification	M	AN	1/30	
*When REF01 = 19, REF02 must match what was sent on 850						
*REF*CO conditionally mandatory if sent on 850						

FOB - F.O.B. Related Instructions
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
FOB01	146	Shipment Method of Payment	M	ID	2/2	Any valid X12 code
FOB04	334	Transportation Terms Qualifier Code	O	ID	2/2	'01' - Incoterms
FOB05	335	Transportation Terms Code	O	ID	3/3	Any valid X12 code
*Should match data sent on 850						

SAC - Allowance or Charge Information
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	'A' – Allowance 'C' – Charge
SAC02	1300	Allowance or Charge Code	M	ID	4/4	Any valid X12 code
SAC05	610	Amount	M	N2	1/15	
SAC15	352	Description	O	AN	1/80	



TD5 - Carrier Details (Routing Sequence)
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
TD505	387	Routing	M	AN	1/35	Delivery Method

N9 - Extended Reference Information
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
N901	128	Reference Identification Qualifier	M	ID	2/3	'ZZ' – Mutually Defined
N902	127	Reference Identification	M	AN	1/80	'NOTE'

MSG - Message Text (Loop N9)
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
MSG01	933	Free-form Message Text	M	AN	1/264	Header Note



N1 - Party Identification
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
N101	98	Entity Identifier Code	M	ID	2/3	'VN' – Vendor (Mandatory) 'ST' – Ship To (Mandatory)
N102	93	Name	M	AN	1/60	
N103	66	Identification Code Qualifier	O	ID	1/2	'92' – Assigned by Buyer or Buyer's Agent
N104	67	Identification Code	O	AN	2/80	
*N103/04 mandatory for N1*VN						
*N103/04 only needed for N1*ST when not dropship and should match what was sent on 850						

N3 - Party Location (Loop N1)
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
N301	166	Address Information	M	AN	1/55	
N302	166	Address Information	O	AN	1/55	
*Only used for N1*ST						

N4 - Geographic Identification (Loop N1)
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
N401	19	City Name	M	AN	2/30	City
N402	156	State or Province Code	O	ID	2/2	State or Province
N403	116	Postal Code	M	ID	3/15	Postal Code
N404	26	Country Code	M	Id	2/3	Country
*Only used for N1*ST						



PER - Administrative Communications Contact (Loop N1)
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
PER01	366	Contact Function Code	M	ID	2/2	'SU' – Supplier Contact
PER02	93	Name	O	AN	1/60	
PER03	365	Communication Number Qualifier	C	ID	2/2	'EM' – Email Address
PER04	364	Communication Number	C	AN	1/80	Email
PER05	365	Communication Number Qualifier	C	ID	2/2	'TE' – Telephone
PER06	364	Communication Number	C	AN	1/80	Phone #
*Only used for N1*VN						



PO1 - Baseline Item Data (Detail)
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
PO101	350	Assigned Identification	M	AN	1/20	Line # *Must match value sent on 850
PO102	380	Quantity Ordered	M	R	1/15	Quantity Ordered
PO103	355	Unit or Basis for Measurement Code	M	ID	2/2	'EA' - Each
PO104	212	Unit Price	M	R	1/17	Unit Price *Up to 4 decimal places
PO106	235	Product/Service ID Qualifier	M	ID	2/2	'PI' – Buyer Item Number
PO107	234	Product/Service ID	M	AN	1/48	Buyer's Item #
PO108	235	Product/Service ID Qualifier	O	ID	2/2	'UP' – UPC
PO109	234	Product/Service ID	O	AN	1/48	UPC #
PO110	235	Product/Service ID Qualifier	O	ID	2/2	'EN' – EAN Number
PO111	234	Product/Service ID	O	AN	1/48	EAN #
PO112	235	Product/Service ID Qualifier	O	ID	2/2	'VN' – Vendor Item Number
PO113	234	Product/Service ID	O	AN	1/48	Vendor Item #
*PO104 should match what was sent on 850 unless ACK01 = IC or IP and price is changed						

SAC - Allowance or Charge Information (Loop PO1)
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	'A' – Allowance 'C' – Charge
SAC02	1300	Allowance or Charge Code	M	ID	4/4	Any valid X12 code
SAC05	610	Amount	M	N2	1/15	
SAC15	352	Description	O	AN	1/80	



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ACK - Line Item Acknowledgment (Loop PO1)
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Values/Comments
ACK01	668	Line Item Status Code	M	ID	2/2	'IA' - Item Accepted 'IC' - Item Accepted, Changes Made 'IP' - Item Accepted, Price Changed 'IQ' - Item Accepted, Quantity Changed 'IR' - Item Rejected 'DR' - Item Accepted, Date Rescheduled
ACK02	380	Quantity	M	R	1/15	Status Qty *Fulfillment Qty
ACK03	355	Unit or Basis for Measurement Code	M	ID	2/2	'EA' - Each
ACK04	374	Date Qualifier	M	ID	3/3	'017' - Estimated Delivery
ACK05	373	Date	M	DT	8/8	Estimated Delivery Date
*ACK01 = IR: line is cancelled and will not be fulfilled *ACK01 = IC or IQ and ACK02 < PO102: fulfillment quantity is decreased and difference is cancelled *ACK02 = PO102 when ACK01 = IA, IP, IR or DR						



CTT - Transaction Totals (Summary)
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
CTT01	354	Number of Line Items	M	N0	1/6	Total number of PO1 segments

SE - Transaction Set Trailer
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
SE01	96	Number of Included Segments	M	N0	1/10	Number of included segments contained in the 855. From and Including ST and SE.
SE02	329	Transaction Set Control Number	M	AN	4/9	Same as ST02

GE - Functional Group Trailer
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
GE01	97	Number of Transaction Sets Included	M	ID	1/6	Number of Transaction Sets Included in the Functional Group
GE02	28	Group Control Number	M	AN	1/9	Sequential Number Assigned by Vendor

IEA - Interchange Control Trailer
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
IEA01	116	Number of Functional Groups Included	M	N0	1/5	Number of Functional Groups Included in transmission
IEA02	112	Interchange Control Number	M	N0	9/9	Sequential Number Assigned by Vendor



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SEGMENT USAGE EXAMPLES

ISA*00* *00* *ZZ*SENDER *12*RECEIVER *230516*0955*U*00401*000000001*0*P*>~
GS*PR*SENDER*RECEIVER*20230516*0955*1*X*004010~
ST*855*0001~
BAK*00*AC*PO100*20230516*****20230517~
CUR*BY*USD~
REF*19*DIV001~
REF*CO*CUSTORDER123~
FOB*DF**01*CAF~
SAC*C*D240***123*****Shipping Charge~
TD5****Delivery Method~
N9*ZZ*NOTE~
MSG*Header Notes go here~
N1*VN*VN Name*92*VN Code~
PER*SU*Contact Name*EM*email@email.com*TE*123-456-7890~
N1*ST*ST Name*92*ST Code~
N3*ST Address 1*ST Address 2~
N4*ST City*PA*16066*US~
PO1*1*50*EA*5.97**PI*111222*UP*123456789012*EN*2345678901234*VN*333444~
SAC*A*C310***234*****Item Discount~
ACK*IA*50*EA*017*20230520~
PO1*2*10*EA*1.97**PI*555666*UP*345678901234*EN*5678901234567*VN*777888~
SAC*C*D500***156*****Item Handling Charge~
ACK*IQ*5*EA*017*20230521~
CTT*2~
SE*23*0001~
GE*1*1~
IEA*1*000000001~