

Integration Specification

X12 5010 855

Purchase Order Acknowledgment



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 practices 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 partnership a vendor has or will ship merchandise as prearranged in their partnership.



Table of Contents

EDI Segment Hierarchy	3
ISA Interchange Control Header	4
GS Functional Group Header	5
ST Transaction Set Header	6
BAK Beginning Segment for Purchase Order Acknowledgments	7
PO1 Baseline Item Data	8
PID Product Item Description	9
ACK Line-Item Acknowledgment	10
CTT Transaction Totals	11
SE Transaction Set Trailer	12
GE Functional Group Trailer	13
IEA Interchange Control Trailer	14
855 Sample	15



EDI Segment Hierarchy

ID	Segment Name	Req	Max Use	Usage
ISA	Interchange Control Header	M	1	Must Use
GS	Functional Group Header	M	1	Must Use

Transaction Set Header

ID	Segment Name	Req	Max Use	Usage
ST	Transaction Set Header	M	1	Must Use
BAK	Beginning Segment for Purchase Order Acknowledgment	M	1	Must Use

Line-Item Detail – PO1 Loop

ID	Segment Name	Req	Max Use	Usage
PO1	Baseline Item Data	M	10	Must Use
PID	Product Item Description	O	10	Optional

Line-Item Detail – ACK Loop

ID	Segment Name	Req	Max Use	Usage
ACK	Line-Item Acknowledgment	M	10	Must Use

Transactions Summary

ID	Segment Name	Req	Max Use	Usage
CTT	Transaction Totals	M	1	Must Use
SE	Transaction Set Trailer	M	1	Must Use
GE	Functional Group Trailer	M	1	Must Use
IEA	Interchange Control Trailer	M	1	Must Use



ISA Interchange Control Header

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

ID	Segment Name	Req	Type	Max Use	Usage
ISA01	Authorization Information Qualifier	M	ID	2/2	Must Use
ISA02	Authorization Information	M	AN	10/10	Must Use
ISA03	Security Information Qualifier	M	ID	2/2	Must Use
ISA04	Security Information	M	AN	10/10	Must Use
ISA05	Interchange ID Qualifier	M	ID	2/2	Must Use
ISA06	Interchange Sender ID	M	AN	15/15	Must Use
ISA07	Interchange ID Qualifier	M	ID	2/2	Must Use
ISA08	Interchange Receiver ID	M	AN	15/15	Must Use
ISA09	Interchange Date 'YYMMDD'	M	DT	6/6	Must Use
ISA10	Interchange Time 'HHMM'	M	TM	4/4	Must Use
ISA11	Interchange Control Standards Identifier 'I'	M	ID	1/1	Must Use
ISA12	Interchange Control Version Number '00501'	M	ID	5/5	Must Use
ISA13	Interchange Control Number	M	N0	9/9	Must Use
ISA14	Acknowledgment Requested '0'	M	ID	1/1	Must Use
ISA15	Interchange Usage Indicator 'P' or 'T'	M	ID	1/1	Must Use
ISA16	Component Element Separator ':'	M	ID	1/1	Must Use



GS Functional Group Header

User Option (Usage): Must use.

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

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
GS01	Functional Identifier Code 'PR'	M	ID	2/2	Must Use
GS02	Application Senders Code	M	AN	2/15	Must Use
GS03	Application Receivers Code	M	AN	2/15	Must Use
GS04	Date 'CCYYMMDD'	M	DT	8/8	Must Use
GS05	Time 'HHMMSS'	M	TM	4/8	Must Use
GS06	Group Control Number	M	N0	1/9	Must Use
GS07	Responsible Agency Code 'X'	M	ID	1/2	Must Use
GS08	Version / Release / Industry Identifier '005010'	M	AN	1/12	Must Use



ST Transaction Set Header

User Option (Usage): Must use.

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

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
ST01	Transaction Set Identifier Code '855'	M	ID	3/3	Must Use
ST02	Transaction Set Control Number	M	AN	4/9	Must Use



BAK Beginning Segment for Purchase Order Acknowledgment

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

ID	Segment Name	Req	Type	Max Use	Usage
BAK01	Transaction Set Purpose Code '00' or '44'	M	ID	2/2	Must Use
BAK02	Acknowledgment Type 'AE' or 'RJ'	M	ID	2/2	Must Use
BAK03	Purchase Order Number	M	AN	1/22	Must Use
BAK04	Original Ship by Date 'CCYYMMDD'	M	DT	1/30	Must Use

Semantics

1. BAK01 – Defaulted codes '00' (Original) or '44' (Rejection)
2. BAK02 – Defaulted codes 'AE' (Accepted) or 'RJ' (Rejected)



PO1 Baseline Item Data

User Option (Usage): Must use.

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

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
PO101	Line-Item Number	O	AN	1/20	Optional
PO102	Quantity Ordered	M	R	1/15	Must Use
PO103	Unit or Basis for Measurement Code ' EA '	M	ID	2/2	Must Use
PO104	Unit Price	M	R	1/17	Must Use
PO105	Basis of Unit Price Code ' PE '	X	ID	2/2	Not Used
PO106	Product/Service ID Qualifier ' VN '	M	ID	2/2	Must Use
PO107	GOVX SKU Number	M	AN	1/48	Must Use
PO108	Product/Service ID Qualifier ' UP '	M	ID	2/2	Must Use
PO109	UPC Number	M	AN	1/48	Must Use

Semantics

1. PO103 – Reference Measurement Code below:
 - a. '**EA**' – Each
2. PO104 – Price the vendor is charging GOVX
3. PO105 – Basis of Unit Price Code
 - a. '**PE**' – Price per Each
4. PO106 – Defaulted to '**VN**' (Equivalent of SKU Number)
5. PO108 – Defaulted to '**UP**' (12-digit UPC/13-digit GTIN)



PID Product Item Description

User Option (Usage): Must use.

Purpose: To further specify the description of the product or item

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
PID01	Item Description Type 'F'	O	ID	1/1	Optional
PID05	Description	O	AN	1/80	Optional

Semantics

1. PID05 – A free-form description to clarify the related data elements and their content.
 - a. E.g., Product type, color, size, etc.



ACK Line-Item Acknowledgment

User Option (Usage): Must use.

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

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
ACK01	Line-Item Status Code 'See codes below'	M	ID	2/2	Must Use
ACK02	Quantity	M	R	1/15	Must Use
ACK03	Unit Basis for Measurement Code 'EA'	M	ID	2/2	Must Use
ACK04	Date/Time Qualifier '001' or '068'	M	ID	3/3	Must Use
ACK05	Date 'CCYYMMDD'	M	DT	8/8	Must Use

Semantics

2. ACK01 – Defaulted codes for Acknowledgments
 - a. **'IA'** to indicate Item Accepted
 - b. **'IB'** to indicate Item Accepted – Backordered
 - c. **'IP'** to indicate Item Accepted – Price Changed
3. ACK01 – Defaulted codes for Rejections
 - a. **'ID'** to indicate Item Deleted
 - b. **'IR'** to indicate Item Rejected
 - c. **'R1'** to indicate Item Rejected, Not a contract item
 - d. **'R2'** to indicate Item Rejected - Invalid Item Product Number
 - e. **'R4'** to indicate Item Rejected - Discontinued Item
4. ACK04 – Defaulted codes
 - a. **'001'** – Shipped
 - b. **'068'** – Current Schedule Ship



CTT Transaction Totals

User Option (Usage): Must use.

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

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
CTT01	Number of Line Items	M	N0	1/6	Must Use
CTT02	Sum of Line-Item Quantities	M	AN	1/10	Must Use



SE Transaction Set Trailer

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

ID	Segment Name	Req	Type	Max Use	Usage
SE01	Number of Included Segments	M	N0	1/10	Must Use
SE02	Transaction Set Control Number	M	AN	4/9	Must Use

Syntax Rules

1. SE02 – The value for SE02 must be identical to the value in ST02



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

ID	Segment Name	Req	Type	Max Use	Usage
GE01	Number of Transaction Sets Included	M	N0	1/6	Must Use
GE02	Group Control Number	M	N0	1/9	Must Use

Syntax Rules

1. GE02 – The value for GE02 must be identical to the value in GS06



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

ID	Segment Name	Req	Type	Max Use	Usage
IEA01	Number of Transaction Sets Included	M	N0	1/5	Must Use
IEA02	Interchange Control Number	M	N0	9/9	Must Use



855 Samples

855 Rejection

ISA*00* *00* *ZZ*SENDERID *12*8582247800/801
*231128*1408*U*00501*000000911*0*P*:
GS*PR*SENDERID*8582247800/801*20231128*1408*114*X*005010
ST*855*0209
BAK*44*RJ*21255249-ALT01*20241128
PO1*1*1*EA*62.5*PE*SK*AL0A7R6L220070W UP*195441519577
PID*F***M Torin 5 Leather Wide GRAY
ACK*R2*1*EA*068*20231128
CTT*1*1
SE*7*0209
GE*1*114
IEA*1*000000911

855 Acceptance – No Change

ISA*00* *00* *ZZ*SENDERID *12*8582247800/801
*231128*1408*U*00501*000000911*0*P*:
GS*PR*SENDERID*8582247800/801*20231128*1408*114*X*005010
ST*855*0209
BAK*00*AE*21255249-ALT01*20241128
PO1*1*1*EA*62.5*PE*SK*AL0A7R6L220070W UP*195441519577
PID*F***M Torin 5 Leather Wide GRAY
ACK*IA*1*EA*068*20231128
CTT*1*1
SE*7*0209
GE*1*114
IEA*1*000000911

855 Acceptance – With Price Change

ISA*00* *00* *ZZ*SENDERID *12*8582247800/801
*231128*1408*U*00501*000000911*0*P*:
GS*PR*SENDERID*8582247800/801*20231128*1408*114*X*005010
ST*855*0209
BAK*00*AE*21255249-ALT01*20241128
PO1*1*1*EA***62.5***PE*
SK*AL0A7R6L220070W UP*195441519577
PID*F***M Torin 5 Leather Wide GRAY
ACK*IP*1*EA*068*20231128
CTT*1*1
SE*7*0209
GE*1*114
IEA*1*000000911



