PolyOne Mapping Standards

X12 v4010 855 Purchase Order Acknowledgement

VERSION: 1.0 DRAFT

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855 Purchase Order Acknowledgment

Functional Group ID=**PR**

Introduction:

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. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes / Comment
M	010	ST Transaction Set Header	M	1		
M	020	BAK Beginning Segment for Purchase Order Ack	M	1		
	040	CUR Currency	O	1		
	060	PER Administrative Communications Contact	O	3		
	070	TAX Tax Reference	O	>1		
	080	FOB F.O.B. Related Instructions	O	>1		
	130	ITD Terms of Sale/Deferred Terms of Sale	O	5		
	240	TD5 Carrier Details (Routing Sequ/Transit Time)				
LOOP ID – MSG 200						
	295	MSG Message Text	O	1		
	300	N1 Name	O	1		
	310	N2 Additional Name Information	O	2		
	320	N3 Address Information	O	2		
	330	N4 Geographic Location	O	1		

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes / Comment
LOOP ID – PO1 100000						
	010	PO1 Baseline Item Data	O	1		n2
LOOP ID – PID 1000						
	050	PID Product/Item Description	O	1		
	170	TAX Tax Reference	O	>1		
	180	FOB F.O.B. Related Instructions	O	>1		
	200	Date/Time/Period	O	10		
	240	TD5 Carrier Details (Routing Seq/Transit Time)	O	12		
LOOP ID – ACK 104						
	270	ACK Line Item Acknowledgment	O	1		
LOOP ID – ACK 104						
	365	MSG Message Text	O	1		
	370	N1 Name	O	1		
	380	N2 Additional Name Information	O	2		
	390	N3 Address Information	O	2		
	400	N4 Geographic Location	O	1		

Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes / Comment
	010	CTT Transaction Totals	O	1		n5
M	030	SE Transaction Set Trailer	M	1		

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:

1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Comments:

Example: ST*855*000002345^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	ST01	143	**Transaction Set Identifier Code**	**M ID 3/3**
			Code uniquely identifying a Transaction Set **855 Purchase Order Acknowledgment**	
M	ST02	329	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Sender-assigned control number to match control number on SE segment.	

Segment: **BAK** Beginning Segment for Purchase Order Acknowledgment

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

Semantic Notes:

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.

Comments:

Example: BAK*00*AE*0000123456*20030405****512998*20030407^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	BAK01	353	**Transaction Set Purpose Code**	**M ID 2/2**
			Code identifying purpose of transaction set	
			00 Original	
			04 Change	
M	BAK02	587	**Acknowledgment Type**	**M ID 2/2**
			Code specifying the type of acknowledgment	
			AE Acknowledge - With Exception Detail Only	
			AK Acknowledge - No Detail or Change	
			RD Reject with Detail	
			RJ Rejected - No Detail	
M	BAK03	324	**Purchase Order Number**	**M AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser	
M	BAK04	373	**Date**	**M DT 8/8**
			Date expressed as CCYYMMDD	
	BAK07	367	**Contract Number**	**O AN 1/30**
			Contract number	
	BAK08	127	**Reference Identification**	**O AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Supplier's sales order number	
	BAK09	373	**Date**	**O DT 8/8**
			Date expressed as CCYYMMDD	

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Segment: **CUR** Currency
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

1 If CUR08 is present, then CUR07 is required.
2 If CUR09 is present, then CUR07 is required.
3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4 If CUR11 is present, then CUR10 is required.
5 If CUR12 is present, then CUR10 is required.
6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7 If CUR14 is present, then CUR13 is required.
8 If CUR15 is present, then CUR13 is required.
9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10 If CUR17 is present, then CUR16 is required.
11 If CUR18 is present, then CUR16 is required.
12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13 If CUR20 is present, then CUR19 is required.
14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Example: CUR*BY*CAD^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CUR01	98	**Entity Identifier Code**	**M ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual
BY Buying Party (Purchaser)

	Ref. Des.	Data Element	Name	Attributes
M	CUR02	100	**Currency Code**	**M ID 3/3**

Code (Standard ISO) for country in whose currency the charges are specified

Segment: **PER** Administrative Communications Contact
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Example:

PER*SU*SUE JONES*TE*651-777-7777^
PER*SU*SUE JONES*FX*651-777-7222^
PER*SU*SUE JONES*EM*sjones@somecompany.com^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PER01	366	**Contact Function Code**	**M ID 2/2**
			Code identifying the major duty or responsibility of the person or group named	
			SU Supplier Contact	
	PER02	93	**Name**	**O AN 1/60**
			Free-form name	
	PER03	365	**Communication Number Qualifier**	**X ID 2/2**
			Code identifying the type of communication number	
			EM Electronic Mail	
			FX Facsimile	
			TE Telephone	
	PER04	364	**Communication Number X AN 1/80**	
			Complete communications number including country or area code when applicable	

Segment: **TAX** Tax Reference
Position: 070
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction
Syntax Notes:
    1 At least one of TAX01 or TAX03 is required.
    2 If either TAX02 or TAX03 is present, then the other is required.
    3 If either TAX04 or TAX05 is present, then the other is required.
    4 If either TAX06 or TAX07 is present, then the other is required.
    5 If either TAX08 or TAX09 is present, then the other is required.
    6 If either TAX10 or TAX11 is present, then the other is required.
Semantic Notes:
Comments:
    1 Tax ID number is, in many instances, referred to as a Tax Exemption Number. The paired (combined) use of data elements 309 and 310 provides for the designation of five taxing jurisdictions.
    2 TAX01 is required if tax exemption is being claimed.
Example: TAX*8798349*SP*MN*********1^

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TAX01	**325**	**Tax Identification Number**	**X AN 1/20**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction(state, county, etc.); often called a tax exemption number or certificate number	
TAX02	**309**	**Location Qualifier**	**X ID 1/2**
		Code identifying type of location **SP State/Province**	
TAX03	**310**	**Location Identifier**	**X AN 1/30**
		Code which identifies a specific location	
TAX12		**441 Tax Exempt Code**	**O ID 1/1**
		Code identifying exemption status from sales and use tax **1 Yes (Tax Exempt)** **2 No (Not Tax Exempt)** **7 Direct Pay ID**	

Segment: # FOB F.O.B. Related Instructions

Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:

       1 If FOB03 is present, then FOB02 is required.
       2 If FOB04 is present, then FOB05 is required.
       3 If FOB07 is present, then FOB06 is required.
       4 If FOB08 is present, then FOB09 is required.

Semantic Notes:

       1 FOB01 indicates which party will pay the carrier.
       2 FOB02 is the code specifying transportation responsibility location.
       3 FOB06 is the code specifying the title passage location.
       4 FOB08 is the code specifying the point at which the risk of loss transfers. This
       may be different than the location specified in FOB02/FOB03 and
       FOB06/FOB07.

Comments:
Example:

       FOB*CC*OR*Avon Lake^
       FOB*DF***01*CAP^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	FOB01	146	**Shipment Method of Payment**	**M ID 2/2**
			Code identifying payment terms for transportation charges	
			CC Collect	
			CF Collect, Freight Credited Back to Customer	
			DF Defined by Buyer and Seller	
			NC Service Freight, No Charge	
			PC Prepaid but Charged to Customer	
			PP Prepaid (by Seller)	
			TP Third Party Pay	
	FOB02	309	**Location Qualifier**	**X ID 1/2**
			Code identifying type of location	
			DE Destination (Shipping)	
			FV Free Alongside Vessel (Free On Board [F.O.B.] Point)	
			OR Origin (Shipping Point)	
	FOB03	352	**Description**	**O AN 1/80**
			A free-form description to clarify the related data elements and their content	
	FOB04	334	**Transportation Terms Qualifier Code**	**O ID 2/2**
			Code identifying the source of the transportation terms	
			01 Incoterms	

FOB05 335   **Transportation Terms Code**   **X ID 3/3**
Code identifying the trade terms which apply to the shipment
transportation responsibility
CFR Cost and Freight
CIF Cost, Insurance, and Freight
CIP Carriage and Insurance Paid To
CPT Carriage Paid To
DDP Delivered Duty Paid
DDU Deliver Duty Unpaid
FCA Free Carrier
FOB Free on Board

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To specify terms of sale
Syntax Notes:

1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes:

1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Example:

ITD*08*3*2**20**60*****2% 20 DAYS/NET 60^
ITD*09*3*1**10********1% 10TH PROX*10^
ITD*05*3*****60*****NET 60^

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ITD01	**336**	**Terms Type Code**	**O ID 2/2**
		Code identifying type of payment terms	
		02 End of Month (EOM)	
		05 Discount Not Applicable	
		08 Basic Discount Offered	
		09 Proximo	
		10 Instant	
		ZZ Mutually Defined	
ITD02	**333**	**Terms Basis Date Code**	**O ID 1/2**
		Code identifying the beginning of the terms period	
		2 Delivery Date	
		3 Invoice Date	
ITD03	**338**	**Terms Discount Percent**	**O R 1/6**
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	
ITD05	**351**	**Terms Discount Days Due**	**X N0 1/3**
		Number of days in the terms discount period by which payment is due if terms discount is earned	

ITD07 386   **Terms Net Days**   **O N0 1/3**
Number of days until total invoice amount is due (discount not
applicable)

ITD12 352   **Description**   **O AN 1/80**
A free-form description to clarify the related data elements and their
Content

ITD13 765   **Day of Month**   **X N0 1/2**
The numeric value of the day of the month between 1 and the
maximum day of the month being referenced
Used to indicate day of the month in which payment is due to gain
discount. Used when ITD01 = 02 (EOM) or 09 (proximo).

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 240
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose:
To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:

1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
2 If TD502 is present, then TD503 is required.
3 If TD507 is present, then TD508 is required.
4 If TD510 is present, then TD511 is required.
5 If TD513 is present, then TD512 is required.
6 If TD514 is present, then TD513 is required.
7 If TD515 is present, then TD512 is required.

Semantic Notes:

1 TD515 is the country where the service is to be performed.

Comments:

1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Example: TD5*****UPS COLLECT GROUND ACCT 555^

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD505	387	**Routing**	**X AN 1/35**
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	

Segment: **MSG** **Message Text**
Position: 295
Loop: MSG Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To provide a free-form format that allows the transmission of text information
Syntax Notes:

     1 If MSG03 is present, then MSG02 is required.

Semantic Notes:

     1 MSG03 is the number of lines to advance before printing.

Comments:

     1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
     2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	MSG01	933	**Free-Form Message Text** Free-form message text	M AN 1/264

Segment: **N1** Name
Position: 300
Loop: MSG Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
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.
2 N105 and N106 further define the type of entity in N101.

Example: N1*SU*SELLING CO*92*S12345004^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			ST Ship To	
			SU Supplier/Manufacturer	
	N102	93	**Name**	**X AN 1/60**
			Free-form name	
	N103	66	**Identification Code Qualifier**	**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)	
			92 Assigned by Buyer or Buyer's Agent	
	N104	67	**Identification Code**	**X AN 2/80**
			Code identifying a party or other code	

Segment: **N2** **Additional Name Information**
Position: 310
Loop: MSG Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes:
Example: N2*BLDG 2^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N201**	**93**	**Name** Free-form name	**M AN 1/60**
	N202	**93**	**Name** Free-form name	**O AN 1/60**

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Segment: **N3** **Address Information**
Position: 320
Loop: MSG Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes:
Example: N3*1308 NEW RD^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N301	166	**Address Information** Address information	**M AN 1/55**
	N302	166	**Address Information** Address information	**O AN 1/55**

Segment: **N4** Geographic Location
Position: 330
Loop: MSG Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes:
   1 If N406 is present, then N405 is required.
Semantic Notes:
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.
Notes:
Example: 4*AVON LAKE*OH*12345^

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	19	**City Name** Free-form text for city name	**O AN 2/30**
N402	156	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O ID 2/2**
N403	116	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**
N404	26	**Country Code** Code identifying the country Used only if address is outside the U.S.	**O ID 2/3**

Segment: **PO1** Baseline Item Data
Position: 010
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic and most frequently used line item data
Syntax Notes:

1 If PO103 is present, then PO102 is required.
2 If PO105 is present, then PO104 is required.
3 If either PO106 or PO107 is present, then the other is required.
4 If either PO108 or PO109 is present, then the other is required.
5 If either PO110 or PO111 is present, then the other is required.
6 If either PO112 or PO113 is present, then the other is required.
7 If either PO114 or PO115 is present, then the other is required.
8 If either PO116 or PO117 is present, then the other is required.
9 If either PO118 or PO119 is present, then the other is required.
10 If either PO120 or PO121 is present, then the other is required.
11 If either PO122 or PO123 is present, then the other is required.
12 If either PO124 or PO125 is present, then the other is required.

Semantic Notes:
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.

Notes:
Example: PO1*0101*10000*EA*20.98*TP*BP*28-1234-7664-0*EC*A*CR*766^

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO101	**350**	**Assigned Identification**	**O AN 1/20**
		Alphanumeric characters assigned for differentiation within a transaction set Used for purchase order line item number.	
PO102	**330**	**Quantity Ordered**	**X R 1/15**
		Quantity ordered	
PO103	**355**	**Unit or Basis for Measurement Code**	**O ID 2/2**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
PO104	**212**	**Unit Price**	**X R 1/17**
		Price per unit of product, service, commodity, etc.	
PO105	**639**	**Basis of Unit Price Code**	**O ID 2/2**
		Code identifying the type of unit price for an item **HP Price per Hundred** **PD Price per Dozen**	

TP Price per Thousand

PO106 235 **Product/Service ID Qualifier**   **X ID 2/2**
Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
BP Buyer's Part Number
CR Contract Number
EC Engineering Change Level
IN Buyer's Item Number
MF Manufacturer
MG Manufacturer's Part Number
VC Vendor's (Seller's) Catalog Number
VN Vendor's (Seller's) Item Number
VP Vendor's (Seller's) Part Number

PO107 234 **Product/Service ID**   **X AN 1/48**
Identifying number for a product or service

PO108 235 **Product/Service ID Qualifier**   **X ID 2/2**
Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
See PO106 for code list.

PO109 234 **Product/Service ID**   **X AN 1/48**
Identifying number for a product or service

PO110 235 **Product/Service ID Qualifier**   **X ID 2/2**
Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
See PO106 for code list.

PO111 234 **Product/Service ID**   **X AN 1/48**
Identifying number for a product or service

PO112 235 **Product/Service ID Qualifier**   **X ID 2/2**
Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
See PO106 for code list.

PO113 234 **Product/Service ID**   **X AN 1/48**
Identifying number for a product or service

PO114 235 **Product/Service ID Qualifier**   **X ID 2/2**
Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
See PO106 for code list.

PO115 234 **Product/Service ID**   **X AN 1/48**
Identifying number for a product or service

PO116 235 **Product/Service ID Qualifier**   **X ID 2/2**
Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

See PO106 for code list.

PO117 234   Product/Service ID   X AN 1/48
Identifying number for a product or service

Segment: **PID** Product/Item Description

Position: 050
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:

1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.
3 If PID07 is present, then PID03 is required.
4 If PID08 is present, then PID04 is required.
5 If PID09 is present, then PID05 is required.

Semantic Notes:

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.
3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4 PID09 is used to identify the language being used in PID05.

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.
2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3 PID07 specifies the individual code list of the agency specified in PID03.

Notes:
Example: PID*F****FILTER 45^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PID01	349	**Item Description Type**	**M ID 1/1**
			Code indicating the format of a description	
			F Free-form	
	PID05	352	**Description**	**X AN 1/80**
			A free-form description to clarify the related data elements and their content	

Segment: **TAX** Tax Reference
Position: 170
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction
Syntax Notes:

1 At least one of TAX01 or TAX03 is required.
2 If either TAX02 or TAX03 is present, then the other is required.
3 If either TAX04 or TAX05 is present, then the other is required.
4 If either TAX06 or TAX07 is present, then the other is required.
5 If either TAX08 or TAX09 is present, then the other is required.
6 If either TAX10 or TAX11 is present, then the other is required.

Semantic Notes:
Comments:

1 Tax ID number is, in many instances, referred to as a Tax Exemption Number. The paired (combined) use of data elements 309 and 310 provides for the designation of five taxing jurisdictions.
2 TAX01 is required if tax exemption is being claimed.

Notes:
Example: TAX*1238349*SP*OH*********1^

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TAX01	**325**	**Tax Identification Number**	**X AN 1/20**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TAX02	**309**	**Location Qualifier**	**X ID 1/2**
		Code identifying type of location **SP State/Province**	
TAX03	**310**	**Location Identifier**	**X AN 1/30**
		Code which identifies a specific location	
TAX12	**441**	**Tax Exempt Code**	**O ID 1/1**
		Code identifying exemption status from sales and use tax **1 Yes (Tax Exempt)** **2 No (Not Tax Exempt)** **7 Direct Pay ID**	

Segment: **FOB** **F.O.B. Related Instructions**

Position: 180
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:

　　　　　1 If FOB03 is present, then FOB02 is required.
　　　　　2 If FOB04 is present, then FOB05 is required.
　　　　　3 If FOB07 is present, then FOB06 is required.
　　　　　4 If FOB08 is present, then FOB09 is required.

Semantic Notes:

　　　　　1 FOB01 indicates which party will pay the carrier.
　　　　　2 FOB02 is the code specifying transportation responsibility location.
　　　　　3 FOB06 is the code specifying the title passage location.
　　　　　4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:
Notes:
Example: FOB*CC*OR*AVON LAKE^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	FOB01	146	**Shipment Method of Payment**	**M ID 2/2**

Code identifying payment terms for transportation charges
CC Collect
CF Collect, Freight Credited Back to Customer
DF Defined by Buyer and Seller
NC Service Freight, No Charge
PC Prepaid but Charged to Customer
PP Prepaid (by Seller)
TP Third Party Pay

	FOB02	309	**Location Qualifier**	**X ID 1/2**

Code identifying type of location
DE Destination (Shipping)
FV Free Alongside Vessel (Free On Board [F.O.B.] Point)
OR Origin (Shipping Point)

	FOB03	352	**Description**	**O AN 1/80**

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

	FOB04	334	**Transportation Terms Qualifier Code**	**O ID 2/2**

Code identifying the source of the transportation terms
01 Incoterms

	FOB05	335	**Transportation Terms Code**	**X ID 3/3**

Code identifying the trade terms which apply to the shipment

transportation responsibility
CFR Cost and Freight
CIF Cost, Insurance, and Freight
CIP Carriage and Insurance Paid To
CPT Carriage Paid To
DDP Delivered Duty Paid
DDU Deliver Duty Unpaid
FCA Free Carrier
FOB Free on Board

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Segment: **DTM** Date/Time/Period
Position: 200
Loop: PO1
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times

Syntax Notes:

1 At least one of DTM02 or DTM03 is required.

Semantic Notes:

Comments:
Notes:

Example: DTM*075*20090525*1659^

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
DTM01	374	**Date/Time Qualifier**	**M ID 3/3**

Code specifying type of date or time, or both date and time
Suggested codes for aftermarket usage. Any ASC X12 approved
code may be used.
011 Shipped
072 Promised for Delivery (After and Including)
075 Promised for Delivery (Prior to and Including)
078 Promised for Delivery (Week of)
082 Promised for Shipment (After and Including)
085 Promised for Shipment (Prior to and Including)
088 Promised for Shipment (Week of)
101 No Production Schedule Established as of

DTM02	373	**Date**	**X DT 8/8**

Date (YYYYMMDD)

DTM03	337	**Time**	**X TM 4/6**

Time expressed in 24-hour clock time (HHMMSS) (Time range:
000000 through 235959)

DTM05	624	**Century**	**O N0 2/2**

The first two characters in the designation of the year (CCYY)

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 240
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information
Syntax Notes: 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
2 If TD502 is present, then TD503 is required.
3 If TD507 is present, then TD508 is required.
4 If TD510 is present, then TD511 is required.
5 If TD513 is present, then TD512 is required.
6 If TD514 is present, then TD513 is required.
7 If TD515 is present, then TD512 is required.
Semantic Notes:
1 TD515 is the country where the service is to be performed.
Comments:

1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes:
Example: TD5*****YELLOW^

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD505	**387**	**Routing**	**X AN 1/35**
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	

Segment: **ACK** Line Item Acknowledgment
Position: 270
Loop: ACK Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item
Syntax Notes:

1 If either ACK02 or ACK03 is present, then the other is required.
2 If ACK04 is present, then ACK05 is required.
3 If either ACK07 or ACK08 is present, then the other is required.
4 If either ACK09 or ACK10 is present, then the other is required.
5 If either ACK11 or ACK12 is present, then the other is required.
6 If either ACK13 or ACK14 is present, then the other is required.
7 If either ACK15 or ACK16 is present, then the other is required.
8 If either ACK17 or ACK18 is present, then the other is required.
9 If either ACK19 or ACK20 is present, then the other is required.
10 If either ACK21 or ACK22 is present, then the other is required.
11 If either ACK23 or ACK24 is present, then the other is required.
12 If either ACK25 or ACK26 is present, then the other is required.
13 If either ACK27 or ACK28 is present, then the other is required.
14 If ACK28 is present, then both ACK27 and ACK29 are required.

Semantic Notes:

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.

Comments:
Notes:
Example: ACK*IQ*5000*EA*074*20030420^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	ACK01	668	**Line Item Status Code**	**M ID 2/2**

Code specifying the action taken by the seller on a line item requested by the buyer
DR Item Accepted - Date Rescheduled
IB Item Backordered
IC Item Accepted - Changes Made
ID Item Deleted
IH Item on Hold
IP Item Accepted - Price Changed
IQ Item Accepted - Quantity Changed
IS Item Accepted - Substitution Made
SP Item Accepted - Schedule Date Pending

	ACK02	380	**Quantity**	**X R 1/15**

Numeric value of quantity

	ACK03	355	**Unit or Basis for Measurement Code**	**X ID 2/2**

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

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ACK04 374	**Date/Time Qualifier**	**O ID 3/3**
	Code specifying type of date or time, or both date and time	
	074 Requested for Delivery (Prior to and Including)	
ACK05 373	**Date**	**X DT 8/8**
	Date expressed as CCYYMMDD	

Segment: **MSG** **Message Text**
Position: 365
Loop: MSG Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide a free-form format that allows the transmission of text information
Syntax Notes: **1** If MSG03 is present, then MSG02 is required.
Semantic Notes:
           1 MSG03 is the number of lines to advance before printing.
Comments:
           1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
           2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.
Notes:
Example: MSG*ADD 1 PLATE CHARGE @ $125.00^

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Data Element Summary

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	Ref. Des.	Data Element	Name	Attributes
M	**MSG01**	**933**	**Free-Form Message Text** Free-form message text	**M AN 1/264**

Segment:	**N1** Name			
Position:	370			
Loop:	MSG Optional			
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:	To identify a party by type of organization, name, and code			
Syntax Notes:	**1** At least one of N102 or N103 is required.			
	2 If either N103 or N104 is present, then the other is required.			
Semantic Notes:				
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.			
	2 N105 and N106 further define the type of entity in N101.			
Notes:				
Example:	N1*ST*POLYONE*92*01212345^			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual **ST Ship To**	**M ID 2/3**
	N102	93	**Name** Free-form name	**X AN 1/60**
	N103	66	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) **92 Assigned by Buyer or Buyer's Agent**	**X ID 1/2**
	N104	67	**Identification Code** Code identifying a party or other code	**X AN 2/80**

Segment: **N2** **Additional Name Information**
Position: 380
Loop: MSG Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes:
Example: N2*BLDG 290^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N201	93	**Name** Free-form name	**M AN 1/60**
	N202	93	**Name** Free-form name	**O AN 1/60**

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Segment: **N3** **Address Information**
Position: 390
Loop: MSG Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes:
Example: N3*670 MCKNIGHT RD^

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Data Element Summary

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	Ref. Des.	Data Element	Name	Attributes
M	N301	166	**Address Information** Address information	**M AN 1/55**
	N302	166	**Address Information** Address information	**O AN 1/55**

Segment: **N4** Geographic Location
Position: 400
Loop: MSG Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
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.
Notes:
Example: N4*MAPLEWOOD*MN*55119

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	19	**City Name** Free-form text for city name	**O AN 2/30**
N402	156	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O ID 2/2**
N403	116	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**
N404	26	**Country Code** Code identifying the country Used only if address is outside the U.S.	**O ID 2/3**

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Segment: **CTT** **Transaction Totals**
Position: 010
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:
    1 If either CTT03 or CTT04 is present, then the other is required.
    2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments:
    1 This segment is intended to provide hash totals to validate transaction
    completeness and correctness.
Notes:
Example: CTT*2^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CTT01	354	**Number of Line Items**	M N0 1/6
			Total number of line items in the transaction set	

Segment: **SE** **Transaction Set Trailer**
Position: 030
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)
Syntax Notes:
Semantic Notes:
Comments:
    1 SE is the last segment of each transaction set.
Notes:
Example: SE*22*000002345^

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SE01	96	**Number of Included Segments**	**M N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	