

Purchase Order/Garden Ridge - Trading Partner Specification

VERSION: 1.0 FINAL

Created:	06/01/2000
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850

Purchase Order/Garden Ridge - Trading Partner Specification

Functional Group=PO

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) 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 the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

<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>
10	ISA	Interchange Control Header	M	1			Must use
5	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>
10	ST	Transaction Set Header	M	1		N2/10	Must use
20	BEG	Beginning Segment for Purchase Order	M	1			Must use
40	CUR	Currency	O	1			Used
50	REF	Reference Identification	O	>1			Used
50	REF	Reference Identification	O	>1			Used
50	REF	Reference Identification	M	>1			Used
60	PER	Administrative Communications Contact	O	3			Used
80	FOB	F.O.B. Related Instructions	O	>1			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
150	DTM	Date/Time Reference	O	10			Used
150	DTM	Date/Time Reference	O	10			Used
260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5			Used

<u>LOOP ID - N9</u>					<u>1000</u>		
295	N9	Reference Identification	O	1		N2/295	Used

<u>LOOP ID - N1</u>					<u>200</u>		
310	N1	Name	O	1			Used

<u>LOOP ID - N1</u>					<u>200</u>		
310	N1	Name	M	1			Used
370	FOB	F.O.B. Related Instructions	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>
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<u>LOOP ID - PO1</u>					<u>100000</u>		
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10 PO1 Baseline Item Data M 1 N3/10 Must use

LOOP ID - CTP					<u>≥1</u>
40	CTP	Pricing Information	O	1	Used

LOOP ID - PID					<u>1000</u>
50	PID	Product/Item Description	O	1	Used

LOOP ID - SAC					<u>25</u>
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1	Used
190	SDQ	Destination Quantity	O	500	Used

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>
LOOP ID - CTT					<u>1</u>		
10	CTT	Transaction Totals	O	1			Used
20	AMT	Monetary Amount	O	1			Used
30	SE	Transaction Set Trailer	M	1			Must use
85	GE	Functional Group Trailer	M	1			Must use
100	IEA	Interchange Control Trailer	M	1			Must use

Notes:

- 2/10 PO102 is required.
- 2/295 The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
- 3/10 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.

ISA Interchange Control Header

Pos: 10	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 16

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>
ISA01	I01	<p>Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information</p> <p><u>Code Name</u></p> <p>00 No Authorization Information Present (No Meaningful Information in I02)</p>	M	ID	2/2	Must use
ISA02	I02	<p>Authorization Information 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)</p>	M	AN	10/10	Must use
ISA03	I03	<p>Security Information Qualifier Description: Code to identify the type of information in the Security Information</p> <p><u>Code Name</u></p> <p>00 No Security Information Present (No Meaningful Information in I04)</p>	M	ID	2/2	Must use
ISA04	I04	<p>Security Information 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)</p>	M	AN	10/10	Must use
ISA05	I05	<p>Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p><u>Code Name</u></p> <p>12 Phone (Telephone Companies) - Production ZZ Mutally Defined - Test</p>	M	ID	2/2	Must use
ISA06	I06	<p>Interchange Sender ID 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</p> <p>User Note 2: 12:2815797901 with a T in the ISA- <i>for testing</i> 2815797901 - <i>for production</i></p>	M	AN	15/15	Must use
ISA07	I05	<p>Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure</p>	M	ID	2/2	Must use



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		used to designate the sender or receiver ID element being qualified				
ISA08	I07	Interchange Receiver ID 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	M	AN	15/15	Must use
ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6	Must use
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must use
ISA11	I10	Interchange Control Standards Identifier 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.	M	ID	1/1	Must use
ISA12	I11	Interchange Control Version Number Description: This version number covers the interchange control segments <u>Code</u> <u>Name</u> 00400 Standard Issued as ANSI X12.5-1997	M	ID	5/5	Must use
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) <u>Code</u> <u>Name</u> 0 No Acknowledgment Requested	M	ID	1/1	Must use
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information <u>Code</u> <u>Name</u> P Production Data T Test Data	M	ID	1/1	Must use
ISA16	I15	Component Element Separator 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	M	AN	1/1	Must use



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).

GS

Functional Group Header

Pos: 5	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 8

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	<p>Functional Identifier Code Description: Code identifying a group of application related transaction sets</p> <p><u>Code Name</u> PO Purchase Order (850)</p>	M	ID	2/2	Must use
GS02	142	<p>Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners</p> <p>User Note 2 12:2815797901 (T) in the ISA - for testing 2815797901 - for production</p>	M	AN	2/15	Must use
GS03	124	<p>Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by trading partners</p>	M	AN	2/15	Must use
GS04	373	<p>Date Description: Date expressed as CCYYMMDD</p>	M	DT	8/8	Must use
GS05	337	<p>Time 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)</p>	M	TM	4/8	Must use
GS06	28	<p>Group Control Number Description: Assigned number originated and maintained by the sender</p>	M	N0	1/9	Must use
GS07	455	<p>Responsible Agency Code Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard</p>	M	ID	1/2	Must use
GS08	480	<p>Version / Release / Industry Identifier Code 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</p>	M	AN	1/12	Must use



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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DE455 in GS segment is T, then other formats are allowed

<u>Code</u>	<u>Name</u>
004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

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.



ST Transaction Set Header

Pos: 10	Max: 1
Detail - Mandatory	
Loop: N/A	Elements: 2

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>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set <u>Code Name</u> 850 Purchase Order	M	ID	3/3	Must use
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	M	AN	4/9	Must use

BEG Beginning Segment for Purchase Order

Pos: 20	Max: 1
Detail - Mandatory	
Loop: N/A	Elements: 4

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>
BEG01	353	<p>Transaction Set Purpose Code Description: Code identifying purpose of transaction set <u>Code Name</u> 00 Original</p>	M	ID	2/2	Must use
BEG02	92	<p>Purchase Order Type Code Description: Code specifying the type of Purchase Order <u>Code Name</u> NE New Order</p>	M	ID	2/2	Must use
BEG03	324	<p>Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser</p>	M	AN	1/22	Must use
BEG05	373	<p>Date Description: Date expressed as CCYYMMDD User Note 2: <i>Purchase Order Date</i></p>	M	DT	8/8	Must use

CUR Currency

Pos: 40	Max: 1
Detail - Optional	
Loop: N/A	Elements: 2

To specify pricing 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>
CUR01	98	<p>Entity Identifier Code</p> <p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p><u>Code</u> <u>Name</u></p> <p>CY <u>Country</u></p>	M	ID	2/3	Must use
CUR02	100	<p>Currency Code</p> <p>Description: Code (Standard ISO) for country in whose currency the charges are specified</p> <p>User Note 2: 'USD'</p>	M	ID	3/3	Must use

Syntax:

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

Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

REF Reference Identification

Pos: 50	Max: >1
Detail - Optional	
Loop: N/A	Elements: 2

To describe a product or process in coded or free-form format

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>
REF01	128	<p>Reference Identification Qualifier</p> <p>Description: Code qualifying the Reference Identification</p> <p><u>Code Name</u></p> <p>DP Department Number</p>	M	ID	2/3	Must use
REF02	127	<p>Reference Identification</p> <p>Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</p> <p>User Note 1:</p> <p><i>When REF01 = 'DP'</i></p> <p><i>department code</i></p>	O	AN	1/30	Used

Syntax:

- REF02 R0203 -- At least one of REF02 or REF03 is required.

Semantics:

- Use PID03 to indicate the organization that publishes the code list being referred to.
- PID04 should be used for industry-specific product description codes.
- 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.
- PID09 is used to identify the language being used in PID05.

REF Reference Identification

Pos: 50	Max: >1
Detail - Optional	
Loop: N/A	Elements: 2

To describe a product or process in coded or free-form format

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>
REF01	128	<p>Reference Identification Qualifier Description: Code qualifying the Reference Identification <u>Code Name</u> PD Promotion/Deal Number</p>	M	ID	2/3	Must use
REF02	127	<p>Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User Note 2: <i>Priority Code</i></p>	O	AN	1/30	Used

Syntax:

- REF02 R0203 -- At least one of REF02 or REF03 is required.

Semantics:

- Use PID03 to indicate the organization that publishes the code list being referred to.
- PID04 should be used for industry-specific product description codes.
- 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.
- PID09 is used to identify the language being used in PID05.

REF Reference Identification

Pos: 50	Max: >1
Detail - Mandatory	
Loop: N/A	Elements: 2

To describe a product or process in coded or free-form format

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>
REF01	128	<p>Reference Identification Qualifier</p> <p>Description: Code qualifying the Reference Identification</p> <p><u>Code Name</u></p> <p>PGC Packing Group Code</p>	M	ID	2/3	Must use
REF02	127	<p>Reference Identification</p> <p>Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</p> <p>User Note 2: <i>Cross Dock Information</i></p> <p><i>BLK - Bulk</i></p> <p><i>PPK - Prepackaged</i></p>	M	AN	1/30	Used

Syntax:

- REF02 R0203 -- At least one of REF02 or REF03 is required.

Semantics:

- Use PID03 to indicate the organization that publishes the code list being referred to.
- PID04 should be used for industry-specific product description codes.
- 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.
- PID09 is used to identify the language being used in PID05.

PER Administrative Communications Contact

Pos: 60	Max: 3
Detail - Optional	
Loop: N/A	Elements: 3

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

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>
PER01	366	<p>Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named <u>Code Name</u> BD Buyer Name or Department</p>	M	ID	2/2	Must use
PER02	93	<p>Name Description: Free-form name User Note 2: Buyer Name</p>	O	AN	1/60	Used
PER09	443	<p>Contact Inquiry Reference Description: Additional reference number or description to clarify a contact number User Note 2: Buyer Code</p>	O	AN	1/20	Used

Syntax:

1. PER03 P0304 -- If either PER03 or PER04 are present, then the others are required.
2. PER05 P0506 -- If either PER05 or PER06 are present, then the others are required.
3. PER07 P0708 -- If either PER07 or PER08 are present, then the others are required.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

FOB F.O.B. Related Instructions

Pos: 80	Max: >1
Detail - Optional	
Loop: N/A	Elements: 5

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>
FOB01	146	<p>Shipment Method of Payment Description: Code identifying payment terms for transportation charges</p> <p><u>Code</u> <u>Name</u></p> <p>CC Collect PB Customer Pick-up/Backhaul PD Prepaid by Processor</p> <p>Description: Identifies the processor as the party responsible for transportation charges for the shipment</p>	M	ID	2/2	Must use
FOB02	309	<p>Location Qualifier Description: Code identifying type of location</p> <p><u>Code</u> <u>Name</u></p> <p>DE Destination (Shipping)</p>	O	ID	1/2	Used
FOB03	352	<p>Description Description: A free-form description to clarify the related data elements and their content</p>	O	AN	1/80	Used
FOB06	309	<p>Location Qualifier Description: Code identifying type of location</p> <p><u>Code</u> <u>Name</u></p> <p>FV Free Alongside Vessel (Free On Board [F.O.B.] Point)</p>	O	ID	1/2	Used
FOB07	352	<p>Description Description: A free-form description to clarify the related data elements and their content</p>	O	AN	1/80	Used

Syntax:

1. FOB03 C0302 -- If FOB03 is present, then FOB02 is required
2. FOB04 C0405 -- If FOB04 is present, then FOB05 is required
3. FOB07 C0706 -- If FOB07 is present, then FOB06 is required
4. FOB08 C0809 -- If FOB08 is present, then FOB09 is required

ITD

Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Detail - Optional	
Loop: N/A	Elements: 3

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

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>
ITD03	338	Terms Discount Percent Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O	R	1/6	Used
ITD05	351	Terms Discount Days Due Description: Number of days in the terms discount period by which payment is due if terms discount is earned	O	N0	1/3	Used
ITD07	386	Terms Net Days Description: Number of days until total invoice amount is due (discount not applicable)	O	N0	1/3	Used

Syntax:

- ITD03 L03040513 -- If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
- ITD08 L08040513 -- If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
- ITD09 L091011 -- If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

- If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
- SAC05 is the total amount for the service, promotion, allowance, or charge.
- If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
- SAC08 is the allowance or charge rate per unit.
- SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
- SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
- SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
- SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
- SAC16 is used to identify the language being used in SAC15.

Comments:

- 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.

DTM Date/Time Reference

Pos: 150	Max: 10
Detail - Optional	
Loop: N/A	Elements: 2

To specify terms of sale

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>
DTM01	374	<p><u>Date/Time Qualifier</u></p> <p>Description: Code specifying type of date or time, or both date and time</p> <p><u>Code Name</u></p> <p>175 <u>Cancel if not shipped by</u></p>	M	ID	3/3	Must use
DTM02	373	<p><u>Date</u></p> <p>Description: Date expressed as CCYYMMDD</p>	O	DT	8/8	Used

Syntax:

- DTM02 R020305 -- At least one of DTM02, DTM03 or DTM05 is required.
- DTM04 C0403 -- If DTM04 is present, then DTM03 is required
- DTM05 P0506 -- If either DTM05 or DTM06 are present, then the others are required.

Semantics:

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

DTM Date/Time Reference

Pos: 150	Max: 10
Detail - Optional	
Loop: N/A	Elements: 2

To specify terms of sale

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>
DTM01	374	<p><u>Date/Time Qualifier</u> Description: Code specifying type of date or time, or both date and time <u>Code Name</u> 037 Ship Not Before</p>	M	ID	3/3	Must use
DTM02	373	<p><u>Date</u> Description: Date expressed as CCYYMMDD</p>	O	DT	8/8	Used

Syntax:

- DTM02 R020305 -- At least one of DTM02, DTM03 or DTM05 is required.
- DTM04 C0403 -- If DTM04 is present, then DTM03 is required
- DTM05 P0506 -- If either DTM05 or DTM06 are present, then the others are required.

Semantics:

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

TD4 Carrier Details (Special Handling, or Hazardous Materials, or Both)

Pos: 260	Max: 5
Detail - Optional	
Loop: N/A	Elements: 1

To specify transportation details relating to the equipment used by the carrier

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>
TD404	352	- Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Used

Syntax:

1. TD401 R010204 -- At least one of TD401, TD402 or TD404 is required.
2. TD402 C0203 -- If TD402 is present, then TD403 is required

N9 Reference Identification

Pos: 295	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

To specify the data for scheduling 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>
N901	128	<p>Reference Identification Qualifier</p> <p>Description: Code qualifying the Reference Identification</p> <p><u>Code Name</u></p> <p>ZZ Mutually Defined</p>	M	ID	2/3	Must use
N903	369	<p>Free-form Description</p> <p>Description: Free-form descriptive text</p> <p>User Note 2: <i>Special Instructions</i></p>	O	AN	1/45	Used

Syntax:

1. N902 R0203 -- At least one of N902 or N903 is required.
2. N906 C0605 -- If N906 is present, then N905 is required

Semantics:

1. SCH12 is the schedule identification.

N1

Name

Pos: 310	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

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	<p>Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <u>Code Name</u> VN Vendor</p>	M	ID	2/3	Must use
N102	93	<p>Name Description: Free-form name User Note 2: <i>Vendor Name</i></p>	O	AN	1/60	Used
N103	66	<p>Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <u>Code Name</u> ZZ Mutually Defined</p>	O	ID	1/2	Used
N104	67	<p>Identification Code Description: Code identifying a party or other code User Note 2: <i>Vendor</i></p>	O	AN	2/80	Used

Syntax:

R0203 -- At least one of N102 or N103 is required.
 P0304 -- If either N103 or N104 are present, then the others are required.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

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.

N1

Name

Pos: 310	Max: 1
Detail - Mandatory	
Loop: N1	Elements: 3

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

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 Description: Code identifying an organizational entity, a physical location, property or an individual <u>Code Name</u> DT Destination Terminal	M	ID	2/3	Must use
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <u>Code Name</u> ZZ Mutually Defined	O	ID	1/2	Used
N104	67	Identification Code Description: Code identifying a party or other code User Note 2: <i>Destination Code</i>	M	AN	2/80	Used

Syntax:

R0203 -- At least one of N102 or N103 is required.
 P0304 -- If either N103 or N104 are present, then the others are required.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

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.

FOB F.O.B. Related Instructions

Pos: 370	Max: 1
Detail - Optional	
Loop: N1	Elements: 5

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>
FOB01	146	<p>Shipment Method of Payment Description: Code identifying payment terms for transportation charges</p> <p><u>Code</u> <u>Name</u></p> <p>CC Collect PB Customer Pick-up/Backhaul PD Prepaid by Processor</p> <p>Description: Identifies the processor as the party responsible for transportation charges for the shipment</p>	M	ID	2/2	Must use
FOB02	309	<p>Location Qualifier Description: Code identifying type of location All valid standard codes are used.</p>	O	ID	1/2	Used
FOB03	352	<p>Description Description: A free-form description to clarify the related data elements and their content</p>	O	AN	1/80	Used
FOB06	309	<p>Location Qualifier Description: Code identifying type of location All valid standard codes are used.</p>	O	ID	1/2	Used
FOB07	352	<p>Description Description: A free-form description to clarify the related data elements and their content</p>	O	AN	1/80	Used

Syntax:

- C0302 -- If FOB03 is present, then FOB02 is required
- C0405 -- If FOB04 is present, then FOB05 is required
- C0706 -- If FOB07 is present, then FOB06 is required
- C0809 -- If FOB08 is present, then FOB09 is required

PO1 Baseline Item Data

Pos: 10	Max: 1
Summary - Mandatory	
Loop: PO1	Elements: 11

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>
PO101	350	<p>Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set User Note 2: <i>Line number</i></p>	O	AN	1/20	Used
PO102	330	<p>Quantity Ordered Description: Quantity ordered</p>	O	R	1/15	Used
PO103	355	<p>Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <u>Code Name</u> EA Each</p>	O	ID	2/2	Used
PO104	212	<p>Unit Price Description: Vendor's price to Garden Ridge per unit of product, service, commodity, etc.</p>	M	R	1/17	Used
PO105	639	<p>Basis of Unit Price Code Description: Code identifying the type of unit price for an item <u>Code Name</u> PE Vendor's Price per Each</p>	O	ID	2/2	Used
PO106	235	<p>Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <u>Code Name</u> UA U.P.C./EAN Case Code (2-5-5)</p>	O	ID	2/2	Used
PO107	234	<p>Product/Service ID Description: Identifying number for a product or service User Note 2: <i>UPC code</i></p>	O	AN	1/48	Used
PO108	235	<p>Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <u>Code Name</u> -</p>	O	ID	2/2	Used



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		VN Vendor's (Seller's) Item Number				
PO109	234	Product/Service ID Description: Identifying number for a product or service User Note 2: <i>Vendors Item Number</i>	O	AN	1/48	Used
PO110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <u>Code Name</u> CA Case	M	ID	2/2	Used
PO111	234	Product/Service ID Description: Identifying number for a product or service User Note 2: <i>case pack factors</i>	M	AN	1/48	Used
PO112	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <u>Code Name</u> ZZ HTS Code	M	ID	2/2	Used
PO113	234	Product/Service ID Description: Identifying number for a product or service User Note 2: <i>HTS Code</i>	M	AN	1/48	Used

Syntax:

1. PO103 C0302 -- If PO103 is present, then PO102 is required
2. PO105 C0504 -- If PO105 is present, then PO104 is required
3. PO106 P0607 -- If either PO106 or PO107 are present, then the others are required.
4. PO108 P0809 -- If either PO108 or PO109 are present, then the others are required.
5. PO110 P1011 -- If either PO110 or PO111 are present, then the others are required.
6. PO112 P1213 -- If either PO112 or PO113 are present, then the others are required.
7. PO114 P1415 -- If either PO114 or PO115 are present, then the others are required.
8. PO116 P1617 -- If either PO116 or PO117 are present, then the others are required.
9. PO118 P1819 -- If either PO118 or PO119 are present, then the others are required.
10. PO120 P2021 -- If either PO120 or PO121 are present, then the others are required.
11. PO122 P2223 -- If either PO122 or PO123 are present, then the others are required.
12. PO124 P2425 -- If either PO124 or PO125 are present, then the others are required.

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.

CTP Pricing Information

Pos: 40	Max: 1
Summary - Optional	
Loop: CTP	Elements: 2

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>
CTP02	236	<p><u>Price Identifier Code</u></p> <p>Description: Code identifying pricing specification</p> <p><u>Code Name</u></p> <p>RTL <u>Retail</u></p>	M	ID	3/3	Used
CTP03	212	<p><u>Unit Price</u></p> <p>Description: Suggested Retail Price per unit of product, service, commodity, etc.</p>	M	R	1/17	Used

Syntax:

1. CTP04 P0405 -- If either CTP04 or CTP05 are present, then the others are required.
2. CTP06 C0607 -- If CTP06 is present, then CTP07 is required
3. CTP09 C0902 -- If CTP09 is present, then CTP02 is required
4. CTP10 C1002 -- If CTP10 is present, then CTP02 is required
5. CTP11 C1103 -- If CTP11 is present, then CTP03 is required

Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

PID Product/Item Description

Pos: 50	Max: 1
Summary - Optional	
Loop: PID	Elements: 2

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>
PID01	349	<p><u>Item Description Type</u></p> <p>Description: Code indicating the format of a description</p> <p><u>Code Name</u></p> <p>F <u>Free-form</u></p>	M	ID	1/1	Must use
PID05	352	<p><u>Description</u></p> <p>Description: A free-form description to clarify the related data elements and their content</p>	O	AN	1/80	Used

Syntax:

1. PID04 C0403 -- If PID04 is present, then PID03 is required
2. PID04 R0405 -- At least one of PID04 or PID05 is required.
3. PID07 C0703 -- If PID07 is present, then PID03 is required
4. PID08 C0804 -- If PID08 is present, then PID04 is required
5. PID09 C0905 -- If PID09 is present, then PID05 is required

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.

SAC Service, Promotion, Allowance, or Charge Information

Pos: 130 Max: 1
 Summary - Optional
 Loop: SAC Elements: 6

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>
SAC01	248	<p>— Allowance or Charge Indicator Description: Code which indicates an allowance or charge for the service specified</p> <p><u>Code Name</u></p> <p>A — Allowance</p>	M	ID	1/1	Must use
SAC02	1300	<p>Service, Promotion, Allowance, or Charge Code Description: Code identifying the service, promotion, allowance, or charge</p> <p><u>Code Name</u></p> <p>B310 — Commission Amount A760 Buyers Reserve B210 Co-op Credit C000 Defective Allowance C210 Freight B670 Miscellaneous A530 MarkDown Allowance A260 Marketing Allowance C300 New Store Discount B720 Vendor Event</p>	O	ID	4/4	Used
SAC05	610	<p>Amount Description: Monetary amount</p>	O	N2	1/15	Used
SAC06	378	<p>Allowance/Charge Percent Qualifier Description: Code indicating on what basis allowance or charge percent is calculated All valid standard codes are used.</p>	O	ID	1/1	Used
SAC07	332	<p>Percent Description: Percent expressed as a percent</p>	O	R	1/6	Used
SAC09	355	<p>Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p><u>Code Name</u></p> <p>EA — Each</p>	O	ID	2/2	Used

**Syntax:**

R0203 -- At least one of SAC02 or SAC03 is required.
P0304 -- If either SAC03 or SAC04 are present, then the others are required.
P0607 -- If either SAC06 or SAC07 are present, then the others are required.
P0910 -- If either SAC09 or SAC10 are present, then the others are required.
C1110 -- If SAC11 is present, then SAC10 is required
L130204 -- If SAC13 is present, then at least one of SAC02 or SAC04 is required.
C1413 -- If SAC14 is present, then SAC13 is required
C1615 -- If SAC16 is present, then SAC15 is required

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

SDQ Destination Quantity

Pos: 190	Max: 500
Summary - Optional	
Loop: PO1	Elements: 22

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>
SDQ01	355	<p>Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p><u>Code Name</u></p> <p>EA Each</p>	M	ID	2/2	Must use
SDQ03	67	<p>Identification Code Description: Code identifying a party or other code</p> <p>User Note 2: <i>Store Number</i></p>	M	AN	2/80	Must use
SDQ04	380	<p>Quantity Description: Numeric value of quantity</p> <p>User Note 2: <i>Store Quantity</i></p>	M	R	1/15	Must use
SDQ05	67	<p>Identification Code Description: Code identifying a party or other code</p> <p>User Note 2: <i>Store Number</i></p>	O	AN	2/80	Used
SDQ06	380	<p>Quantity Description: Numeric value of quantity</p> <p>User Note 2: <i>Store Quantity</i></p>	O	R	1/15	Used
SDQ07	67	<p>Identification Code Description: Code identifying a party or other code</p> <p>User Note 2: <i>Store Number</i></p>	O	AN	2/80	Used
SDQ08	380	<p>Quantity Description: Numeric value of quantity</p> <p>User Note 2: <i>Store Quantity</i></p>	O	R	1/15	Used
SDQ09	67	<p>Identification Code Description: Code identifying a party or other code</p> <p>User Note 2: <i>Store Number</i></p>	O	AN	2/80	Used
SDQ10	380	<p>Quantity Description: Numeric value of quantity</p>	O	R	1/15	Used



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		User Note 2: <i>Store Quantity</i>				
SDQ11	67	Identification Code Description: Code identifying a party or other code User Note 2: <i>Store Number</i>	O	AN	2/80	Used
SDQ12	380	Quantity Description: Numeric value of quantity User Note 2: <i>Store Quantity</i>	O	R	1/15	Used
SDQ13	67	Identification Code Description: Code identifying a party or other code User Note 2: <i>Store Number</i>	O	AN	2/80	Used
SDQ14	380	Quantity Description: Numeric value of quantity User Note 2: <i>Store Quantity</i>	O	R	1/15	Used
SDQ15	67	Identification Code Description: Code identifying a party or other code User Note 2: <i>Store Number</i>	O	AN	2/80	Used
SDQ16	380	Quantity Description: Numeric value of quantity User Note 2: <i>Store Quantity</i>	O	R	1/15	Used
SDQ17	67	Identification Code Description: Code identifying a party or other code User Note 2: <i>Store Number</i>	O	AN	2/80	Used
SDQ18	380	Quantity Description: Numeric value of quantity User Note 2: <i>Store Quantity</i>	O	R	1/15	Used
SDQ19	67	Identification Code Description: Code identifying a party or other code User Note 2: <i>Store Number</i>	O	AN	2/80	Used
SDQ20	380	Quantity Description: Numeric value of quantity User Note 2: <i>Store Quantity</i>	O	R	1/15	Used
SDQ21	67	Identification Code Description: Code identifying a party or other code User Note 2: <i>Store Number</i>	O	AN	2/80	Used



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ22	380	Quantity Description: Numeric value of quantity User Note 2: <i>Store Quantity</i>	O	R	1/15	Used
SDQ23	310	Location Identifier Description: Code which identifies a specific location	O	AN	1/30	Used

Syntax:

- SDQ05 P0506 -- If either SDQ05 or SDQ06 are present, then the others are required.
- SDQ07 P0708 -- If either SDQ07 or SDQ08 are present, then the others are required.
- SDQ09 P0910 -- If either SDQ09 or SDQ10 are present, then the others are required.
- SDQ11 P1112 -- If either SDQ11 or SDQ12 are present, then the others are required.
- SDQ13 P1314 -- If either SDQ13 or SDQ14 are present, then the others are required.
- SDQ15 P1516 -- If either SDQ15 or SDQ16 are present, then the others are required.
- SDQ17 P1718 -- If either SDQ17 or SDQ18 are present, then the others are required.
- SDQ19 P1920 -- If either SDQ19 or SDQ20 are present, then the others are required.
- SDQ21 P2122 -- If either SDQ21 or SDQ22 are present, then the others are required.

Comments:

- SDQ02 is used only if different than previously defined in the transaction set.
- SDQ03 is the store number.
- SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

CTT Transaction Totals

Pos: 10	Max: 1
- Optional	
Loop: CTT	Elements: 1

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						

Syntax:

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

Comments:

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



AMT Monetary Amount

Pos: 20	Max: 1
- Optional	
Loop: CTT	Elements: 2

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 Description: Code to qualify amount <u>Code Name</u> 1 Line Item Total	M	ID	1/3	Must use
AMT02	782	Monetary Amount Description: Monetary amount	M	R	1/18	Must use

SE Transaction Set Trailer

Pos: 30	Max: 1
- Mandatory	
Loop: N/A	Elements: 2

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 Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	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	M	AN	4/9	Must use

Comments:

- SE is the last segment of each transaction set.

GE Functional Group Trailer

Pos: 85	Max: 1
- Mandatory	
Loop: N/A	Elements: 2

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

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: 100	Max: 1
- Mandatory	
Loop: N/A	Elements: 2

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 Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use