

855 Purchase Order Acknowledgment

X12/V4010/855: 855 Purchase Order Acknowledgment

Version: 2.2

Author:

Company:

Publication:

Notes:

Crate and Barrel

Final Approved 08/05/2008

Updated 03/16/2026

855

Purchase Order Acknowledgment

Functional Group=PR

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

Not Defined:

<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>
	ISA	Interchange Control Header	M	1			Must use
	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>
010	ST	Transaction Set Header	M	1			Must use
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
040	CUR	Currency	M	1			Used
050	REF	Reference Identification	M	>1			Used
* 060	PER	Administrative Communications Contact	O	3			
* 070	TAX	Tax Reference	O	>1			
* 080	FOB	F.O.B. Related Instructions	O	>1			
* 090	CTP	Pricing Information	O	>1			
* 095	PAM	Period Amount	O	10			
* 110	CSH	Sales Requirements	O	1			

* LOOP ID - SAC					25		
120	SAC	Service, Promotion, Allowance, or Charge Information	O	1			
125	CUR	Currency	O	1			
* 130	ITD	Terms of Sale/Deferred Terms of Sale	O	5			
* 140	DIS	Discount Detail	O	20			
* 145	INC	Installment Information	O	1			
* 150	DTM	Date/Time Reference	O	10			
* 160	LDT	Lead Time	O	12			
* 180	LIN	Item Identification	O	5		N1/180	
* 185	SI	Service Characteristic Identification	O	>1			
* 190	PID	Product/Item Description	O	200			
* 200	MEA	Measurements	O	40			
* 210	PWK	Paperwork	O	25			
* 220	PKG	Marking, Packaging, Loading	O	25			
* 230	TD1	Carrier Details (Quantity and Weight)	O	2			
* 240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			
* 250	TD3	Carrier Details (Equipment)	O	12			

* 260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5			
* 270	MAN	Marks and Numbers	O	10			
* 275	TXI	Tax Information	O	>1			
* 277	CTB	Restrictions/Conditions	O	>1			
* LOOP ID - N9					1000		
280	N9	Reference Identification	O	1			
285	DTM	Date/Time Reference	O	>1			
290	MSG	Message Text	O	1000			
LOOP ID - N1					200		
300	N1	Name	M	1			Used
* 310	N2	Additional Name Information	O	2			
* 320	N3	Address Information	O	2			
* 330	N4	Geographic Location	O	1			
* 335	NX2	Location ID Component	O	>1			
* 340	REF	Reference Identification	O	12			
* 350	PER	Administrative Communications Contact	O	>1			
* 355	SI	Service Characteristic Identification	O	>1			
* 360	FOB	F.O.B. Related Instructions	O	1			
* 370	TD1	Carrier Details (Quantity and Weight)	O	2			
* 380	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			
* 390	TD3	Carrier Details (Equipment)	O	12			
* 400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5			
* 410	PKG	Marking, Packaging, Loading	O	25			
* 420	MSG	Message Text	O	>1			
* LOOP ID - ADV					>1		
430	ADV	Advertising Demographic Information	O	1			
440	DTM	Date/Time Reference	O	>1			
450	MTX	Text	O	>1			

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					100000	N2/010L	
010	PO1	Baseline Item Data	M	1		N2/010	Used
* 015	LIN	Item Identification	O	>1			
* 018	SI	Service Characteristic Identification	O	>1			
* 020	CUR	Currency	O	1			
* 030	PO3	Additional Item Detail	O	25			
* 040	CTP	Pricing Information	O	>1			
* 045	PAM	Period Amount	O	10			
* 049	MEA	Measurements	O	40			
LOOP ID - PID					1000		
050	PID	Product/Item Description	M	1			Used
* 060	MEA	Measurements	O	10			

* 070	PWK	Paperwork	O	25		
090	PO4	Item Physical Details	M	>1		Used
* 100	REF	Reference Identification	O	>1		
* 110	PER	Administrative Communications Contact	O	3		
* LOOP ID - SAC				25		
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
135	CUR	Currency	O	1		
* 140	IT8	Conditions of Sale	O	1		
* 142	CSH	Sales Requirements	O	>1		
* 150	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
* 160	DIS	Discount Detail	O	20		
* 165	INC	Installment Information	O	1		
* 170	TAX	Tax Reference	O	>1		
* 180	FOB	F.O.B. Related Instructions	O	>1		
* 190	SDQ	Destination Quantity	O	500		
* 200	DTM	Date/Time Reference	O	10		
* 210	LDT	Lead Time	O	12		
* 230	TD1	Carrier Details (Quantity and Weight)	O	1		
* 240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
* 250	TD3	Carrier Details (Equipment)	O	12		
260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
* LOOP ID - ACK				104		
270	ACK	Line Item Acknowledgment	O	1		
280	DTM	Date/Time Reference	O	1		
* 290	MAN	Marks and Numbers	O	10		
* 293	AMT	Monetary Amount	O	1	N2/293	
* 295	CTB	Restrictions/Conditions	O	>1		
* 296	TXI	Tax Information	O	>1		
* LOOP ID - QTY				>1		
300	QTY	Quantity	O	1		
302	SI	Service Characteristic Identification	O	>1		
* LOOP ID - PKG				200		
303	PKG	Marking, Packaging, Loading	O	1		
305	MEA	Measurements	O	>1		
LOOP ID - SCH				200	N2/310L	
310	SCH	Line Item Schedule	M	1	N2/310	Used
315	TD1	Carrier Details (Quantity and Weight)	M	2		Used
* 320	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
* 330	TD3	Carrier Details (Equipment)	O	12		
* 340	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	M	5	***Only mandatory for a hazardous item***	Used
* 345	REF	Reference Identification	O	>1		

* LOOP ID - N9				1000		
350	N9	Reference Identification	O	1		
355	DTM	Date/Time Reference	O	>1		
360	MSG	Message Text	O	1000		
LOOP ID - N1				200		
370	N1	Name	M	1		Used
380	N2	Additional Name	M	2		Used
390	N3	Information Address	M	2		Used
400	N4	Info Geographic Location	M	1		Used
* 405	NX2	Location ID Component	O	>1		
* 410	REF	Reference Identification	O	12		
* 420	PER	Administrative Communications Contact	O	3		
* 425	SI	Service Characteristic Identification	O	>1		
* 426	DTM	Date/Time Reference	O	1		
* 430	FOB	F.O.B. Related Instructions	O	1		
* 435	SCH	Line Item Schedule	O	200		
* 440	TD1	Carrier Details (Quantity and Weight)	O	2		
* 450	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
* 460	TD3	Carrier Details (Equipment)	O	12		
* 470	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
* 475	QTY	Quantity	O	>1		
* 480	PKG	Marking, Packaging, Loading	O	25		
* LOOP ID - SLN				1000		
490	SLN	Subline Item Detail	O	1		
495	MSG	Message Text	O	>1		
500	SI	Service Characteristic Identification	O	>1		
510	PID	Product/Item Description	O	1000		
520	PO3	Additional Item Detail	O	25		
522	CTP	Pricing Information	O	25		
523	PAM	Period Amount	O	10		
530	ACK	Line Item Acknowledgment	O	104		
LOOP ID - SAC				10		
540	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
545	CUR	Currency	O	1		
550	DTM	Date/Time Reference	O	10		
554	PO4	Item Physical Details	O	1		
557	TAX	Tax Reference	O	3		
558	ADV	Advertising Demographic Information	O	>1		
LOOP ID - QTY				>1		
559	QTY	Quantity	O	1		
561	SI	Service Characteristic Identification	O	>1		

LOOP ID - N9			-	-	≥1	-	-
563	N9	Reference Identification	O	1			
564	DTM	Date/Time Reference	O	>1			
565	MSG	Message Text	O	>1			

LOOP ID - N1			-	-	10	-	-
576	N1	Name	O	1			
578	N2	Additional Name Information	O	2			
580	N3	Address Information	O	2			
590	N4	Geographic Location	O	1			
600	NX2	Location ID Component	O	>1			
610	REF	Reference Identification	O	12			
620	PER	Administrative Communications Contact	O	3			
625	SI	Service Characteristic Identification	O	>1			

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
* LOOP ID - CTT			-	-	1	N3/010L	-
010	CTT	Transaction Totals	O	1		N3/010	
020	AMT	Monetary Amount	O	1		N3/020	
030	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

- 1/180 If segment LIN is used, do not use LIN01.
- 2/010L PO102 is required.
- 2/010 PO102 is required.
- 2/293 If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.
- 2/310L 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.
- 2/310 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.
- 3/010L 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.
- 3/010 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/020 If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

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:

<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	Authorization Information Qualifier	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Authorization Information All valid standard codes are used.				
ISA02	I02	Authorization Information	M	AN	10/10	Must use
		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)				
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Security Information All valid standard codes are used.				
ISA04	I04	Security Information	M	AN	10/10	Must use
		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)				
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.				
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
		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				
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified				
		<u>Code</u>	<u>Name</u>			
		12	Phone (Telephone Companies)			
			Buyer Usage:			
			<i>"12" is the Production ID Qualifier</i>			
		ZZ	Mutually Defined			
			Buyer Usage:			
			<i>"ZZ" is the Test ID Qualifier</i>			
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
		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				
		Buyer Usage:				
		8472722888 - Production ID				
		8472722888T - Test ID				
ISA09	I08	Interchange Date	M	DT	6/6	Must use

		Description: Date of the interchange				
ISA10	I09	Interchange Time	M	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use
		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.				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments All valid standard codes are used.				
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1) All valid standard codes are used.				
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information All valid standard codes are used.				
ISA16	I15	Component Element Separator	M		1/1	Must use
		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				

Example:

```
ISA^00^  ^00^  ^01^123456789  ^12^8472722888  ^070606^1339^U^00401^000000310^0^P^|
```


GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

Purpose: To indicate the beginning of a functional group and to provide control 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>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

<u>Code</u>	<u>Name</u>
PR	Purchase Order Acknowledgment (855)

GS02	142	Application Sender's Code	M	AN	2/15	Must use
------	-----	----------------------------------	---	----	------	----------

Description: Code identifying party sending transmission; codes agreed to by trading partners

GS03	124	Application Receiver's Code	M	AN	2/15	Must use
------	-----	------------------------------------	---	----	------	----------

Description: Code identifying party receiving transmission; codes agreed to by trading partners

Buyer Usage: It is possible for you to receive multiple IDs over a range of purchase orders from us. Each purchase order will belong to only one GS ID.

Here are the possible GS IDs:

"CRATEDOMES" - Crate and Barrel Domestic
 "CRATEDOMREP" - Crate and Barrel Domestic Rep
 "EUROMDESIG" - Crate and Barrel International
 "EUROMDESAGT" - Crate and Barrel International Agent
 "CRATECUST" - Crate and Barrel Custom

"CB2DOMES" - CB2 Domestic
 "CB2DOMREP" - CB2 Domestic Rep
 "CB2INTL" - CB2 International
 "CB2INTLAGT" - CB2 International Agent

"CRATECANADA" - Crate and Barrel Canada
 "CRATECANREP" - Crate and Barrel Canada Rep

"LONODDOMES" - Land of Nod Domestic
 "LONODDOMREP" - Land of Nod Domestic Rep
 "LONODMBRK" - Land of Nod International
 "LONODMBAGT" - Land of Nod International Agent
 "LONODCUST" - Land of Nod Custom

GS04	373	Date	M	DT	8/8	Must use
------	-----	-------------	---	----	-----	----------

Description: Date expressed as CCYYMMDD

GS05	337	Time	M	TM	4/8	Must use
------	-----	-------------	---	----	-----	----------

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)

GS06	28	Group Control Number	M	N0	1/9	Must use
------	----	-----------------------------	---	----	-----	----------

Description: Assigned number originated and maintained by the sender

GS07	455	Responsible Agency Code	M	ID	1/2	Must use
------	-----	--------------------------------	---	----	-----	----------

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

All valid standard codes are used.

GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
------	-----	---	---	----	------	----------

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 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

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

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.

Example:

```
GS^PR^123456789^CRATEDOMES^070606^1339^240^X^004010
```

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: 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>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
Description: Code uniquely identifying a Transaction Set						
		<u>Code</u>	<u>Name</u>			
		855	Purchase Order Acknowledgment			
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

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).

Example:

ST^855^0000001

BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 020 Max: 1
 Heading - Mandatory
 Loop: N/A Elements: 7

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code	Name
00	Original
01	Cancellation
04	Change
05	Replace
06	Confirmation
14	Advance Notification

Buyer Usage:

Used only to send a final status in advance of the 856. (i.e., when the 855 is used as a Pre-ASN status notification.)

BAK02	587	Acknowledgment Type	M	ID	2/2	Must use
-------	-----	---------------------	---	----	-----	----------

Description: Code specifying the type of acknowledgment

Buyer Usage: Unless an order is rejected, Line Item (PO1) and Schedule Detail (SCH) should be in the acknowledgment.

Code	Name
AC	Acknowledge - With Detail and Change
AD	Acknowledge - With Detail, No Change
AK	Acknowledge - No Detail or Change
AT	Accepted
RJ	Rejected - No Detail

BAK03	324	Purchase Order Number	M	AN	1/22	Must use
-------	-----	-----------------------	---	----	------	----------

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

Buyer Usage: Must match BEG03 of corresponding 850 Purchase Order

BAK04	373	Date	M	DT	8/8	Must use
-------	-----	------	---	----	-----	----------

Description: Date expressed as CCYYMMDD

BAK06	326	Request Reference Number	M	AN	1/45	Used
-------	-----	--------------------------	---	----	------	------

Description: Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)

Buyer Usage: This is the unique number the Buyer uses for following up on inquiries on the Acknowledgment, such as a Sales Order Number. This Acknowledgment Number may also be sent in the SCH11 within the PO1 Loop.

BAK08	127	Reference Identification	M	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

Description: Reference information as defined for a particular Transaction Set or as specified

by the Reference Identification Qualifier

Buyer Usage: If 855 is used to acknowledge a Change Order (860), the Change Order Sequence Number (BCH05) must be returned here.

Limit the Change Order Sequence Number to 2 digits (01 to 99). Your document will be flagged in error if you send a number larger than 99.

BAK09	373	Date	M	DT	8/8	Used
-------	-----	-------------	---	----	-----	------

Description: Date expressed as CCYYMMDD

Buyer Usage: This is the Acknowledgment Date

Semantics:

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.

Example:

BAK^00^AT^1234567^20070601^^123^^^20070604

BAK^14^AD^SC2414657^20070612^^Header Ack Number^^01^20070613

CUR Currency

Pos: 040	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: 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>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use
Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.						
CUR02	100	Currency Code	M	ID	3/3	Must use
Description: Code (Standard ISO) for country in whose currency the charges are specified						

Syntax Rules:

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

Comments:

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

Example:

CUR^BY^USD

REF Reference Identification

Pos: 050	Max: >1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying 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>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

<u>Code</u>	<u>Name</u>
IA	Internal Vendor Number

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

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

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Buyer Usage:

When REF_01 = "IA", REF_01 and REF_02 must be returned in the corresponding PO Acknowledgment/PO Change Acknowledgment (855/865) and ASN (856)

Example:

REF^IA^1234

Loop Name

Pos: 300	Repeat: 200
Mandatory	
Loop: N1	Elements: N/A

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
300	N1	Name	M	1		Used

Example:

N1^BY^CRATE and BARREL^92^303
N1^SU^SUPPLIER INDUSTRIES INC^92^1234
N1^ST^CRATE and BARREL^92^991

N1**Name**

Pos: 300	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Used**Purpose:** To identify a party by type of organization, name, and code**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	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual**Code**

BY

Name

Buying Party (Purchaser)

Buyer Usage:*Should be turned around from the original purchase order or last purchase order change.*

ST

Ship To

SU

Supplier/Manufacturer

N102	93	Name	X	AN	1/60	Used
------	----	-------------	---	----	------	------

Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
------	----	--------------------------------------	---	----	-----	------

Description: Code designating the system/method of code structure used for Identification Code (67)**Code**

92

Name

Assigned by Buyer or Buyer's Agent

N104	67	Identification Code	X	AN	2/80	Used
------	----	----------------------------	---	----	------	------

Description: Code identifying a party or other code**Syntax Rules:**

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

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^BY^CRATE and BARREL^92^303***** 303 is the product manager number**N1^SU^SUPPLIER INDUSTRIES INC^92^1234***** 1234 is the buyer's vendor number for your organization**N1^ST^CRATE and BARREL^92^991***** 991 is the buyer's number for the ship to location (eg Warehouse 991)*

Loop Baseline Item Data

Pos: 010	Repeat: 100000
Mandatory	
Loop: PO1	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	PO1	Baseline Item Data	M	1		Used
050		Loop PID	M		1000	Used
090	PO4	Item Physical Details	M	>1		Used
310		Loop SCH	M		200	Used
370		Loop N1	M		200	Used

Example:

```

PO1^1^200^EA^12.3^^IN^123456^VN^123-4-567-89012-4^UP^1234567890123
PID^F^^^^Cook Book
PID^F^MB^^NAME OF Book
PO4^10^^^^^^^^^^^^1
SCH^190^EA^^010^20070901^^068^20070913
TD1^CTN90/PLT90^2^^^^G^2500^LB
TD4^^9^4.1A
PO1^2^1^EA^653^^IN^123456^VN^ALL OTHER CUSTOM
PID^F^^^^ALL OTHER CUSTOM
PID^F^MB^^ALL OTHER CUSTOM
PID^S^^^^FAB:FOG A/01
PID^S^^^^FAB#: N/A      GR:H
PID^S^^^^FABRIC IS NON RAILROADED
PID^S^^^^LEG FINISH: BLACK WALNUT
PID^S^^^^FOR FRAME#12-34A W/RAILS
PID^S^^^^CUSTOMER APPROVED
PID^S^^^^FABRIC AND IS AWARE OF THE
PID^S^^^^POSSIBLE PROBLEM OF FABRIC
PID^S^^^^FIRSTNAME I. 5/30/07
PO4^1^^^^^^^^^^^^1
SCH^1^EA^^010^20070913^^068^20070913
TD1^CTN90^2^^^^G^650^LB
TD4^^9^4.1A
N1^16^FUNNY FACTORY
N2^BAIT SHACK
N3^1234 LANE ROAD^STE 4
N4^TRACY^CA^95377^USA

```

PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 14

User Option (Usage): Used

Purpose: 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>
PO101	350	Assigned Identification	M	AN	1/20	Must use
Description: Alphanumeric characters assigned for differentiation within a transaction set Buyer Usage: <i>Return the value exactly as sent in the PO101 element of the corresponding 850 Purchase Order, including leading zeroes.</i>						
PO102	330	Quantity Ordered	X	R	1/15	Used
Description: Quantity ordered Buyer Usage: <i>To delete a line change PO102 Quantity Ordered to 0 (zero). If this number is different then what was on the PO it will be a change to the original ordered quantity.</i>						
PO103	355	Unit or Basis for Measurement Code	M	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Buyer Usage: <i>Should match the Unit of Measure from the corresponding 850 Purchase Order. All valid standard codes are used.</i>						
PO104	212	Unit Price	X	R	1/17	Used
Description: Price per unit of product, service, commodity, etc.						
PO106	235	Product/Service ID Qualifier	X	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
		<u>Code</u>	<u>Name</u>			
		CH	Country of Origin Code			
		Buyer Usage: <i>The Country of Origin (ISO3) code should only be sent back if it is necessary to send a correction to what was sent in the original PO or PO Change.</i>				
		HD	International Harmonized Commodity Code			
		Buyer Usage: <i>The HTS code should only be sent back if it is necessary to send a correction to what was sent in the original PO or PO Change.</i>				
		IN	Buyer's Item Number			
		Buyer Usage: <i>Must be sent exactly as sent in the PO1 segment of the corresponding 850 purchase order.</i>				
		MF	Manufacturer			
		Buyer Usage: <i>The MID (Manufacturer ID) should only be sent back if it is necessary to send a correction to what was sent in the original PO or PO Change.</i>				
		UP	U.P.C. Consumer Package Code (1-5-5-1)			
		Buyer Usage: <i>The UPC Code should only be sent back if it is necessary to send a correction to what was sent in the original PO or PO Change.</i>				
		VN	Vendor's (Seller's) Item Number			
		Buyer Usage: <i>If sent the Vendor Item Number must be returned as sent in the PO1 segment of the corresponding 850 purchase order or as a corrected vendor item</i>				

number.						
PO107	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service Buyer Usage: Return the Product ID exactly as sent in the PO1 segment of the corresponding 850 Purchase Order.						
PO108	235	Product/Service ID Qualifier	X	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Buyer Usage: See code list under PO106.						
PO109	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service Buyer Usage: Return the Product ID exactly as sent in the PO1 segment of the corresponding 850 Purchase Order.						
PO110	235	Product/Service ID Qualifier	X	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Buyer Usage: See code list under PO106.						
PO111	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service Buyer Usage: Return the Product ID exactly as sent in the PO1 segment of the corresponding 850 Purchase Order.						
PO112	235	Product/Service ID Qualifier	X	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Buyer Usage: See code list under PO106.						
PO113	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service Buyer Usage: Return the Product ID exactly as sent in the PO1 segment of the corresponding 850 Purchase Order.						
PO114	235	Product/Service ID Qualifier	X	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Buyer Usage: See code list under PO106.						
PO115	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service Buyer Usage: Return the Product ID exactly as sent in the PO1 segment of the corresponding 850 Purchase Order.						

Syntax Rules:

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

12. P2425 - If either PO124 or PO125 is present, then the other is 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.

Example:

PO1^1^200^EA^12.3^^IN^123456^VN^123-4-567-89012-4^UP^1234567890123

PO1^2^1^EA^653^^IN^123456^VN^ALL OTHER CUSTOM

At a minimum, the buyer is expecting the buyer's item number (IN) and sellers item number (VN) to be sent back.

The Product/Service ID Qualifiers can be sent in any order.

Loop Product/Item Description

Pos: 050	Repeat: 1000
Mandatory	
Loop: PID	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	PID	Product/Item Description	M	1		Used

Example:

```

PID^F^^^^Cook Book
PID^F^MB^^^^NAME OF Book

PID^F^^^^ALL OTHER CUSTOM
PID^F^MB^^^^ALL OTHER CUSTOM
PID^S^^^^FAB:FOG A/01
PID^S^^^^FAB#: N/A      GR:H
PID^S^^^^FABRIC IS NON RAILROADED
PID^S^^^^LEG FINISH: BLACK WALNUT
PID^S^^^^FOR FRAME#12-34A W/RAILS
PID^S^^^^CUSTOMER APPROVED
PID^S^^^^FABRIC AND IS AWARE OF THE
PID^S^^^^POSSIBLE PROBLEM OF FABRIC
PID^S^^^^FIRSTNAME I. 5/30/07
  
```

PID Product/Item Description

Pos: 050	Max: 1
Detail - Mandatory	
Loop: PID	Elements: 3

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	Item Description Type	M	ID	1/1	Must use

Description: Code indicating the format of a description

Code	Name
F	Free-form
S	Structured (From Industry Code List)
X	Semi-structured (Code and Text)

Buyer Usage:

PID01 = "X" is used to send a line level message to flag buyer's attention. Only 1 occurrence of PID01 = "X" can be used.

PID02	750	Product/Process Characteristic Code	M	ID	2/3	Used
-------	-----	-------------------------------------	---	----	-----	------

Description: Code identifying the general class of a product or process characteristic

Buyer Usage: *PID02 should be used only when sending back label description.*

Code	Name
MB	Marking

PID05	352	Description	X	AN	1/80	Used
-------	-----	-------------	---	----	------	------

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

Buyer Usage: *PID_05 should be used with all PID_01 codes. PID_04 is not used.*

Syntax Rules:

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

Semantics:

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.

Buyer Usage:

This information should only be returned if changes are needed.

Example:

PID^F^ALL OTHER CUSTOM
PID^F^MB^ALL OTHER CUSTOM

PID^S^^^^FAB:FOG A/01
PID^S^^^^FAB#: N/A GR:H
PID^S^^^^FABRIC IS NON RAILROADED
PID^S^^^^LEG FINISH: BLACK WALNUT
PID^S^^^^FOR FRAME#12-34A W/RAILS
PID^S^^^^CUSTOMER APPROVED
PID^S^^^^FABRIC AND IS AWARE OF THE
PID^S^^^^POSSIBLE PROBLEM OF FABRIC
PID^S^^^^FIRSTNAME I. 5/30/07

PO4 Item Physical Details

Pos: 090	Max: >1
Detail - Mandatory	
Loop: PO1	Elements: 2

User Option (Usage): Used

Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO401	356	Pack	M	N0	1/6	Used

Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container

Buyer Usage: Master Pack Quantity

PO414	810	Inner Pack	M	N0	1/6	Used
-------	-----	------------	---	----	-----	------

Description: The number of eaches per inner container

Buyer Usage: Inner Pack Quantity

Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Buyer Usage:

Only send if different than Purchase Order

Example:

PO4^10^AAAAAAAAAAAAAAAA^1

Loop Line Item Schedule

User Option (Usage): Used

Purpose: To specify the data for scheduling a specific line-item

Pos: 310	Repeat: 200
Mandatory	
Loop: SCH	Elements: N/A

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
310	SCH	Line Item Schedule	M	1		Used
315	TD1	Carrier Details (Quantity and Weight)	M	2		Used
320	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	M	1		Used

Example:

```
SCH^1^EA^^^010^20070913^^068^20070923
TD1^PLT90/CTN90^^2^^^G^2500^LB
TD4^^9^4.1A
```

SCH Line Item Schedule

Pos: 310	Max: 1
Detail - Mandatory	
Loop: SCH	Elements: 7

User Option (Usage): Used

Purpose: 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>
SCH01	380	Quantity	M	R	1/15	Must use
Description: Numeric value of quantity						
Buyer Usage: The sum of SCH01 quantities should equal value in PO102.						
SCH02	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
Buyer Usage: Should match the Unit of Measure from the corresponding 850 Purchase Order.						
SCH05	374	Date/Time Qualifier	M	ID	3/3	Must use
Description: Code specifying type of date or time, or both date and time						
		<u>Code</u>	<u>Name</u>			
		010	Requested Ship			
SCH06	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
Buyer Usage: This should be the original requested ship date from the Purchase Order.						
SCH08	374	Date/Time Qualifier	X	ID	3/3	Used
Description: Code specifying type of date or time, or both date and time						
		<u>Code</u>	<u>Name</u>			
		011	Shipped			
			Buyer Usage:			
			This is for special use circumstances only			
		068	Current Schedule Ship			
SCH09	373	Date	X	DT	8/8	Used
Description: Date expressed as CCYYMMDD						
Buyer Usage: To specify that a requested schedule is accepted and confirmed, SCH08 and SCH09 must be sent. If the vendor acknowledges the line item and cannot confirm the scheduled ship date, SCH08 and SCH09 should not be sent. However, for the acknowledgement process to be complete the vendor must send an SCH08 and SCH09 in an additional 855 or 865 transmission.						
SCH09 is the date you are confirming the line item will ship. It does not have to match the requested ship date.						
SCH11	326	Request Reference Number	O	AN	1/45	Used
Description: Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)						
Buyer Usage: This is the unique number the Buyer uses for following up on inquiries on the Acknowledgment. This Acknowledgment Number may also be sent in the BAK06.						

Syntax Rules:

1. C0304 - If SCH03 is present, then SCH04 is required.
2. L080910 - If SCH08 is present, then at least one of SCH09 or SCH10 is required.

3. C0908 - If SCH09 is present, then SCH08 is required.
4. C1008 - If SCH10 is present, then SCH08 is required.

Semantics:

1. SCH12 is the schedule identification.

Comments:

1. SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Buyer Usage:

The original requested ship or delivery date is to be returned in the SCH05/SCH06, and the acknowledged/commit date is to be returned in SCH08/SCH09. If the request date is a ship date, the acknowledged date must be a ship date.

Example:

SCH^1^EA^^^010^20070913^^068^20070923
SCH^100^EA^^^010^20080501^^011^20080505

TD1 Carrier Details (Quantity and Weight)

Pos: 315	Max: 2
Detail - Mandatory	
Loop: SCH	Elements: 5

User Option (Usage): Used

Purpose: To specify the transportation details relative to commodity, weight, and quantity

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>
TD101	103	Packaging Code	M	AN	3/5	Used
Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required						
		<u>Code</u>		<u>Name</u>		
		90		Standard		
		BAG		Bag		
		BAL		Bale		
		CRT		Crate		
		CTN		Carton		
		PAL		Pail		
		PLT		Pallet		
		TRY		Tray		
		WRP		Wrapped		
TD102	80	Lading Quantity	X	N0	1/7	Used
Description: Number of units (pieces) of the lading commodity						
TD106	187	Weight Qualifier	M	ID	1/2	Used
Description: Code defining the type of weight All valid standard codes are used.						
TD107	81	Weight	X	R	1/10	Used
Description: Numeric value of weight						
TD108	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
		<u>Code</u>		<u>Name</u>		
		KG		Kilogram		
		LB		Pound		

Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0304 - If TD103 is present, then TD104 is required.
3. C0607 - If TD106 is present, then TD107 is required.
4. P0708 - If either TD107 or TD108 is present, then the other is required.
5. P0910 - If either TD109 or TD110 is present, then the other is required.

Buyer Usage:

The TD1 in SCH loop should be used for pre-ASN, as instructed by the buyer. One TD1 should be used to convey the number of pallets, and a second should be used to convey the number of cartons or boxes for the item. At least one of the TD1 segments in the SCH should be sent to convey the estimated gross weight of the item.

Example:

TD1^PLT90^2^^^G^2500^LB

TD1^CTN90^8^^^G^650^LB

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

Pos: 320 Max: 5
Detail - Mandatory
Loop: SCH Elements: 2

User Option (Usage): Used

Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

*****This segment is mandatory for hazardous items otherwise not required*****

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>
TD402	208	Hazardous Material Code Qualifier	X	ID	1/1	Used
Description: Code which qualifies the Hazardous Material Class Code (209)						
		<u>Code</u>		<u>Name</u>		
		9		Title 49, Code of Federal Regulations (CFR)		
TD403	209	Hazardous Material Class Code	X	AN	1/4	Used
Description: Code specifying the kind of hazard for a material						
Buyer Usage: Any code is acceptable.						

Syntax Rules:

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

Semantics:

1. TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists

Example:

TD4^^9^4.1A

Loop Name

Pos: 370	Repeat: 200
Mandatory	
Loop: N1	Elements: N/A

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
370	N1	Name	M	1		Used
380	N2	Additional Name Information	M	2		Used
390	N3	Address Information	M	2		Used
400	N4	Geographic Location	M	1		Used

Example:

N1^16^FACTORY #168
N2^BAIT SHACK
N3^1234 LANE ROAD^STE 4
N4^TRACY^CA^95377^USA

N1**Name**

Pos: 370	Max: 1
Detail - Mandatory	
Loop: N1	Elements: 2

User Option (Usage): Used**Purpose:** To identify a party by type of organization, name, and code**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	M	ID	2/3	Must use
Description: Code identifying an organizational entity, a physical location, property or an individual						
		<u>Code</u>		<u>Name</u>		
		16		Plant		
N102	93	Name	X	AN	1/60	Used
Description: Free-form name						
N103	66		X	ID	1/2	Used
Description: Code designating the system/method of code structure used for Identification Code (67)						
		<u>Code</u>		<u>Name</u>		
		92		Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code	X	AN	2/80	Used
Description: Code identifying a party or other code						

Syntax Rules:

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

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.

Buyer Usage:

This N1 loop should be used for Pre-ASN, to convey the Factory that the item will be shipped from.

Example

N1^16^FACTORY #168^92^9999999999

N2 Additional Name Information

Pos: 380	Max: 2
Detail - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used

Purpose: To specify additional names or those longer than 35 characters in length

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>
N201	93	Name	M	AN	1/60	Must use

Description: Free-form name

Buyer Usage:

Used if you need two lines of information (e.g. International Address)

Example:

N2^BAIT SHACK

N3 Address Information

Pos: 390	Max: 2
Detail - Mandatory	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: 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>
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

Example:

N3^1234 LANE ROAD^STE 4

N4 Geographic Location

Pos: 400	Max: 1
Detail - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place 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>
N401	19	City Name	M	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	M	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	M	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	M	ID	2/3	Used
		Description: Code identifying the country				
		Buyer Usage: Please send the ISO3 country code				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

Example:

N4^TRACY^CA^95377^USA

SE Transaction Set Trailer

Pos: 030	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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:

<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	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Comments:

1. SE is the last segment of each transaction set.

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the end of a functional group and to provide control 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>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use
Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

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:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

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

Example:

```
ISA^00^      ^00^      ^01^123456789  ^12^8472722888  ^070606^1339^U^00401^000000310^0^P^|
GS^PR^123456789^CRATEDOMES^070606^1339^240^X^004010
ST^855^1234567
BAK^00^AT^1234567^20070601^^123^^20070604
CUR^BY^USD
REF^IA^2950
N1^BY^CRATE and BARREL^92^303
N1^SU^SUPPLIER INDUSTRIES INC^92^1234
N1^ST^CRATE and BARREL^92^991
PO1^1^200^EA^12.3^^IN^123456^VN^123-4-567-89012-4^UP^1234567890123
PID^F^^^^Cook Book
PID^F^MB^^^^NAME OF Book
PO4^10^^^^^^^^^^^^1
SCH^190^EA^^^^010^20070901^^068^20070911
TD1^PLT90^2^^^^G^2500^LB
TD1^CTN90^2^^^^G^2500^LB
PO1^2^1^EA^653^^IN^123456^VN^ALL OTHER CUSTOM
PID^F^^^^ALL OTHER CUSTOM
PID^F^MB^^^^ALL OTHER CUSTOM
PID^S^^^^FAB:FOG A/01
PID^S^^^^FAB#: N/A      GR:H
PID^S^^^^FABRIC IS NON RAILROADED
PID^S^^^^LEG FINISH: BLACK WALNUT
PID^S^^^^FOR FRAME#12-34A W/RAILS
PID^S^^^^CUSTOMER APPROVED
PID^S^^^^FABRIC AND IS AWARE OF THE
PID^S^^^^POSSIBLE PROBLEM OF FABRIC
PID^S^^^^FIRSTNAME I. 5/30/07
PO4^1^^^^^^^^^^^^1
SCH^1^EA^^^^010^20070913^^068^20070913
TD1^CTN90^2^^^^G^650^LB
TD4^^9^4.1A
N1^16^FUNNY FACTORY
N2^BAIT SHACK
N3^1234 LANE ROAD^STE 4
N4^TRACY^CA^95377^USA
CTT^2
SE^36^1234567
GE^1^240
IEA^1^000000310
```