855 Purchase Order Acknowledgment

X12/V4010/855: 855 Purchase Order Acknowledgment

Version: 2.2

Author:
Company: **Crate and Barrel**
Publication:
Notes: **Final Approved 08/05/2008**

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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	O	>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			

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
* 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	O	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	O	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	O	1			Used
* 060	MEA	Measurements	O	10			

* 070	PWK	Paperwork	O	25		
090	PO4	Item Physical Details	O	>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		Used
* 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	O	1	N2/310	Used
315	TD1	Carrier Details (Quantity and Weight)	O	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)	O	5		
* 345	REF	Reference Identification	O	>1		

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* **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	O	1		Used	
380	N2	Additional Name Information	O	2		Used	
390	N3	Address Information	O	2		Used	
400	N4	Geographic Location	O	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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Code	Name
12	Phone (Telephone Companies)

    Buyer Usage:
    "12" is the Production ID Qualifier

ZZ	Mutually Defined

    Buyer Usage:
    "ZZ" is the Test ID Qualifier

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

Code	Name
PR	Purchase Order Acknowledgment (855)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Code	Name
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

Code	Name
855	Purchase Order Acknowledgment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK06	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, such as a Sales Order Number. This Acknowledgment Number may also be sent in the SCH11 within the PO1 Loop.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK08	127	**Reference Identification**	O	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**	O	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

<div style="border:1px solid black">
Pos: 040   Max: 1
Heading - Optional
Loop: N/A   Elements: 2
</div>

User Option (Usage): Used
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

          Description: Code qualifying the Reference Identification

Code	Name
IA	Internal Vendor Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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**
Optional	
Loop: N1	**Elements: N/A**

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
300	N1	Name	O	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**

<div style="border:1px solid black; float:right;">

Pos: 300   **Max: 1**
Heading - Optional
Loop: N1   **Elements: 4**

</div>

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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	Name
BY	Buying Party (Purchaser)

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

Code	Name
ST	Ship To
SU	Supplier/Manufacturer

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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	Name
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Crate and Barrel   17   Ver. 2.2
Date Printed: 4/20/2021
Date Approved: 8/5/2008

Loop Baseline Item Data

Pos: 010	Repeat: 100000
Optional	
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	O	1		Used
050		Loop PID	O		1000	Used
090	PO4	Item Physical Details	O	>1		Used
260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		Used
310		Loop SCH	O		200	Used
370		Loop N1	O		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^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
*TD4**9*4.1A*
SCH^1^EA^^^010^20070913^^068^20070913
TD1^CTN90^2^^^^G^650^LB
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 - Optional
Loop: PO1   Elements: 14

User Option (Usage): Used
Purpose: To specify basic and most frequently used line item data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO101	350	**Assigned Identification**	O	AN	1/20	Must use

Description: Alphanumeric characters assigned for differentiation within a transaction set
Buyer Usage: *Return the value exactly as sent in the PO101 element of the corresponding 850 Purchase Order, including leading zeroes.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO102	330	**Quantity Ordered**	X	R	1/15	Used

Description: Quantity ordered
Buyer Usage: *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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO103	355	**Unit or Basis for Measurement Code**	O	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: *Should match the Unit of Measure from the corresponding 850 Purchase Order.* **All valid standard codes are used.**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO104	212	**Unit Price**	X	R	1/17	Used

Description: Price per unit of product, service, commodity, etc.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
CH	Country of Origin Code

Buyer Usage:
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.

Code	Name
HD	International Harmonized Commodity Code

Buyer Usage:
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.

Code	Name
IN	Buyer's Item Number

Buyer Usage:
Must be sent exactly as sent in the PO1 segment of the corresponding 850 purchase order.

Code	Name
MF	Manufacturer

Buyer Usage:
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.

Code	Name
UP	U.P.C. Consumer Package Code (1-5-5-1)

Buyer Usage:
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.

Code	Name
VN	Vendor's (Seller's) Item Number

Buyer Usage:
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

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

User Option (Usage): Used
Purpose: To describe a product or process in coded or free-form format

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
050	PID	Product/Item Description	O	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

<div style="border: 1px solid black">
Pos: 050   Max: 1
Detail - Optional
Loop: PID   Elements: 3
</div>

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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID02	750	**Product/Process Characteristic Code**	O	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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 - Optional	
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**	O	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*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO414	810	**Inner Pack**	O	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^^^^^^^^^^^^^1

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

Pos: 260   **Max: 5**
Detail - Optional
Loop: PO1   **Elements: 2**

User Option (Usage): Used
Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD402	208	**Hazardous Material Code Qualifier**	X	ID	1/1	Used

Description: Code which qualifies the Hazardous Material Class Code (209)

Code	Name
9	Title 49, Code of Federal Regulations (CFR)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 for this product; an "N" indicates an MSDS does not exist for this product.

Example:

*TD4**9*4.1A*

Loop Line Item Schedule

Pos: 310	**Repeat: 200**
Optional	
Loop: SCH	**Elements: N/A**

User Option (Usage): Used
Purpose: To specify the data for scheduling a specific line-item

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
310	SCH	Line Item Schedule	O	1		Used
315	TD1	Carrier Details (Quantity and Weight)	O	2		Used

Example:

SCH^1^EA^^^010^20070913^^068^20070923
TD1^PLT90^2^^^^G^2500^LB
TD1^CTN90^2^^^^G^2500^LB

SCH   Line Item Schedule

Pos: 310	**Max: 1**
Detail - Optional	
Loop: SCH	**Elements: 7**

User Option (Usage): Used
Purpose: To specify the data for scheduling a specific line-item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SCH05	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

Code	Name
010	Requested Ship

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SCH08	374	**Date/Time Qualifier**	X	ID	3/3	Used

Description: Code specifying type of date or time, or both date and time

Code	Name
011	Shipped

Buyer Usage:
  This is for special use circumstances only

Code	Name
068	Current Schedule Ship

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 - Optional	
Loop: SCH	**Elements: 5**

User Option (Usage): Used
Purpose: To specify the transportation details relative to commodity, weight, and quantity

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	**Packaging Code**	O	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

Code	Name
90	Standard
BAG	Bag
BAL	Bale
CRT	Crate
CTN	Carton
PAL	Pail
PLT	Pallet
TRY	Tray
WRP	Wrapped

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD102	80	**Lading Quantity**	X	N0	1/7	Used

> **Description:** Number of units (pieces) of the lading commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD106	187	**Weight Qualifier**	O	ID	1/2	Used

> **Description:** Code defining the type of weight
> **All valid standard codes are used.**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD107	81	**Weight**	X	R	1/10	Used

> **Description:** Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Code	Name
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

Loop Name

<table>
<tr><td>Pos: 370</td><td>Repeat: 200</td></tr>
<tr><td colspan="2" align="center">Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

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

Example:

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

N1   Name

<table>
<tr><td>Pos: 370</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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	Name
16	Plant

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

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

N2   Additional Name Information

<div style="border:1px solid black">

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

</div>

User Option (Usage): Used
Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 - Optional	
Loop: N1	**Elements: 2**

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 - Optional
Loop: N1   **Elements: 4**

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used

    Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Used

    Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Used

    Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	O	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

Crate and Barrel   36   Ver. 2.2
Date Printed: 4/20/2021
Date Approved: 8/5/2008

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
TD4**9*4.1A
SCH^1^EA^^^010^20070913^^068^20070913
TD1^CTN90^2^^^^G^650^LB
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
```