

**855****Purchase Order Acknowledgment****Functional Group=PR**

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.

**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
030	NTE	Note/Special Instruction	F	100			Used
040	CUR	Currency	O	1			Used
050	REF	Reference Numbers	O	12			Used
060	PER	Administrative Communications Contact	O	3			Used
070	TAX	Tax Reference	O	3			Used
080	FOB	F.O.B. Related Instructions	O	1			Used
090	CTP	Pricing Information	O	25			Used
100	SSS	Special Services	O	25			Used
110	CSH	Header Sale Condition	O	1			Used
120	ITA	Allowance, Charge or Service	O	10			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	5			Used
140	DIS	Discount Detail	O	20			Used
145	INC	Installment Information	O	1			Used
150	DTM	Date/Time Reference	O	10			Used
160	LDT	Lead Time	O	12			Used
180	LIN	Item Identification	O	5		N1/180	Used
185	SI	Service Characteristic Identification	O	2			Used
190	PID	Product/Item Description	O	200			Used
200	MEA	Measurements	O	40			Used
210	PWK	Paperwork	O	25			Used
220	PKG	Marking, Packaging, Loading	O	25			Used
230	TD1	Carrier Details (Quantity and Weight)	O	2			Used
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
250	TD3	Carrier Details (Equipment)	O	12			Used
260	TD4	Carrier Details (Special Handling or Hazardous)	O	5			Used

270	MAN	Materials or Both) Marks and Numbers	O	10		Used
<b>LOOP ID - N9</b>					<b>1000</b>	
280	N9	Reference Number	O	1		Used
290	MSG	Message Text	O	1000		Used
<b>LOOP ID - N1</b>					<b>200</b>	
300	N1	Name	O	1		Used
310	N2	Additional Name Information	O	2		Used
320	N3	Address Information	O	2		Used
330	N4	Geographic Location	O	1		Used
335	NX2	Real Estate Property ID Component	O	3		Used
340	REF	Reference Numbers	O	12		Used
350	PER	Administrative Communications Contact	O	3		Used
360	FOB	F.O.B. Related Instructions	O	1		Used
370	TD1	Carrier Details (Quantity and Weight)	O	2		Used
380	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Used
390	TD3	Carrier Details (Equipment)	O	12		Used
400	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5		Used
410	PKG	Marking, Packaging, Loading	O	25		Used

**Detail:**

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
<b>LOOP ID - PO1</b>					<b>100000</b>	<b>N2/010L</b>	
010	PO1	Baseline Item Data	O	1		N2/010	Used
018	SI	Service Characteristic Identification	O	5			Used
020	CUR	Currency	O	1			Used
030	PO3	Additional Item Detail	O	25			Used
040	CTP	Pricing Information	O	25			Used
049	MEA	Measurements	O	40			Used
<b>LOOP ID - PID</b>					<b>1000</b>		
050	PID	Product/Item Description	O	1			Used
060	MEA	Measurements	O	10			Used
070	PWK	Paperwork	O	25			Used
080	PKG	Marking, Packaging, Loading	O	25			Used
090	PO4	Item Physical Details	O	1			Used
100	REF	Reference Numbers	O	12			Used
110	PER	Administrative Communications Contact	O	3			Used
120	SSS	Special Services	O	25			Used
130	ITA	Allowance, Charge or Service	O	10			Used
140	IT8	Conditions of Sale	O	1			Used
150	ITD	Terms of Sale/Deferred Terms of Sale	O	2			Used
160	DIS	Discount Detail	O	20			Used
165	INC	Installment Information	O	1			Used
170	TAX	Tax Reference	O	3			Used
180	FOB	F.O.B. Related Instructions	O	1			Used

190	SDQ	Destination Quantity	O	500		Used
200	DTM	Date/Time Reference	O	10		Used
210	LDT	Lead Time	O	12		Used
220	SCH	Line Item Schedule	O	200	N2/220	Used
230	TD1	Carrier Details (Quantity and Weight)	O	1		Used
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Used
250	TD3	Carrier Details (Equipment)	O	12		Used
260	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5		Used
<b>LOOP ID - ACK</b>					<b>104</b>	
270	ACK	Line Item Acknowledgment	O	1		Used
280	DTM	Date/Time Reference	O	1		Used
290	MAN	Marks and Numbers	O	10		Used
300	AMT	Monetary Amount	O	1	N2/300	Used
<b>LOOP ID - N9</b>					<b>1000</b>	
350	N9	Reference Number	O	1		Used
360	MSG	Message Text	O	1000		Used
<b>LOOP ID - N1</b>					<b>200</b>	
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	Real Estate Property ID Component	O	3		Used
410	REF	Reference Numbers	O	12		Used
420	PER	Administrative Communications Contact	O	3		Used
430	FOB	F.O.B. Related Instructions	O	1		Used
440	TD1	Carrier Details (Quantity and Weight)	O	2		Used
450	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Used
460	TD3	Carrier Details (Equipment)	O	12		Used
470	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5		Used
480	PKG	Marking, Packaging, Loading	O	25		Used
<b>LOOP ID - SLN</b>					<b>1000</b>	
490	SLN	Subline Item Detail	O	1		Used
500	SI	Service Characteristic Identification	O	5		Used
510	PID	Product/Item Description	O	1000		Used
520	PO3	Additional Item Detail	O	25		Used
530	ACK	Line Item Acknowledgment	O	104		Used
540	ITA	Allowance, Charge or Service	O	10		Used
550	DTM	Date/Time Reference	O	10		Used
<b>LOOP ID - N1</b>					<b>10</b>	
560	N1	Name	O	1		Used
570	N2	Additional Name Information	O	2		Used
580	N3	Address Information	O	2		Used
590	N4	Geographic Location	O	1		Used

600	NX2	Real Estate Property ID Component	O	3		Used
610	REF	Reference Numbers	O	12		Used
620	PER	Administrative Communications Contact	O	3		Used

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	M	1		N3/010	Must use
020	AMT	Monetary Amount	O	1		N3/020	Used
030	SE	Transaction Set Trailer	M	1			Must use

**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>
	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.
- 2/220 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.
- 2/300 If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.
- 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

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	<b>Authorization Information Qualifier</b> <b>Description:</b> Code identifying the type of information in the Authorization Information <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA02	I02	<b>Authorization Information</b> <b>Description:</b> 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)	M	AN	10/10	Must use
ISA03	I03	<b>Security Information Qualifier</b> <b>Description:</b> Code identifying the type of information in the Security Information <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA04	I04	<b>Security Information</b> <b>Description:</b> 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)	M	AN	10/10	Must use
ISA05	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA06	I06	<b>Interchange Sender ID</b> <b>Description:</b> 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	M	AN	15/15	Must use
ISA07	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA08	I07	<b>Interchange Receiver ID</b> <b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M	AN	15/15	Must use

ISA09	I08	<b>Interchange Date</b> <b>Description:</b> Date of the interchange	M	DT	6/6	Must use
ISA10	I09	<b>Interchange Time</b> <b>Description:</b> Time of the interchange	M	TM	4/4	Must use
ISA11	I65	<b>Repetition Separator</b> <b>Description:</b> Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator	M		1/1	Must use
ISA12	I11	<b>Interchange Control Version Number</b> <b>Description:</b> Code specifying the version number of the interchange control segments <b>All valid standard codes are used.</b>	M	ID	5/5	Must use
ISA13	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	NO	9/9	Must use
ISA14	I13	<b>Acknowledgment Requested</b> <b>Description:</b> Code indicating sender's request for an interchange acknowledgment <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
ISA15	I14	<b>Interchange Usage Indicator</b> <b>Description:</b> Code indicating whether data enclosed by this interchange envelope is test, production or information <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
ISA16	I15	<b>Component Element Separator</b> <b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use

**GS****Functional Group Header**

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

**User Option (Usage):** Must use

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	<b>Functional Identifier Code</b> <b>Description:</b> Code identifying a group of application related transaction sets <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
GS02	142	<b>Application Sender's Code</b> <b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	<b>Application Receiver's Code</b> <b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS04	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M	DT	8/8	Must use
GS05	337	<b>Time</b> <b>Description:</b> 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)	M	TM	4/8	Must use
GS06	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	NO	1/9	Must use
GS07	455	<b>Responsible Agency Code</b> <b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 <b>All valid standard codes are used.</b>	M	ID	1/2	Must use
GS08	480	<b>Version / Release / Industry Identifier Code</b> <b>Description:</b> 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	M	AN	1/12	Must use

segment is T, then other formats are allowed  
**All valid standard codes are used.**

**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.

# ST Transaction Set Header

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

**User Option (Usage):** Must use

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	<b>Transaction Set Identifier Code</b> <b>Description:</b> Code uniquely identifying a Transaction Set. <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

## 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).

# BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

**User Option (Usage):** Must use

To indicate the beginning of the purchase order acknowledgment transaction set and transmit identifying numbers and dates.

## 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>
BAK01	353	<b>Transaction Set Purpose Code</b> <b>Description:</b> Code identifying purpose of transaction set. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
BAK02	587	<b>Acknowledgment Type</b> <b>Description:</b> Code specifying the type of acknowledgment. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
BAK03	324	<b>Purchase Order Number</b> <b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser.	M	AN	1/22	Must use
BAK04	323	<b>Purchase Order Date</b> <b>Description:</b> Date assigned by the purchaser to Purchase Order.	M	DT	6/6	Must use
BAK05	328	<b>Release Number</b> <b>Description:</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	O	AN	1/30	Used
BAK06	326	<b>Request Reference Number</b> <b>Description:</b> 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).	O	AN	1/45	Used
BAK07	367	<b>Contract Number</b> <b>Description:</b> Contract number.	O	AN	1/30	Used
BAK08	127	<b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	O	AN	1/30	Used
BAK09	588	<b>Acknowledgment Date</b> <b>Description:</b> Date assigned by the sender to the acknowledgment.	O	DT	6/6	Used

## Semantics:

1. BAK08 is the seller's order number.

# NTE Note/Special Instruction

Pos: 030	Max: 100
Heading - Floating	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

To transmit information in a free-form format, if necessary, for comment or special instruction

## 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>
NTE01	363	<b>Note Reference Code</b> <b>Description:</b> Code identifying the functional area or purpose for which the note applies. <b>All valid standard codes are used.</b>	O	ID	3/3	Used
NTE02	3	<b>Free Form Message</b> <b>Description:</b> Free-form text.	M	AN	1/60	Must use

## Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the ``NTE" segment should therefore be avoided, if at all possible, in an automated environment.

# CUR Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 21

**User Option (Usage):** Used

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
CUR02	100	<b>Currency Code</b> <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified.	M	ID	3/3	Must use
CUR03	280	<b>Exchange Rate</b> <b>Description:</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another.	O	R	4/6	Used
CUR04	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used.</b>	O	ID	2/2	Used
CUR05	100	<b>Currency Code</b> <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified.	O	ID	3/3	Used
CUR06	669	<b>Currency Market/Exchange Code</b> <b>Description:</b> Code identifying the market upon which the currency exchange rate is based. <b>All valid standard codes are used.</b>	O	ID	3/3	Used
CUR07	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
CUR08	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
CUR09	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used
CUR10	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
CUR11	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
CUR12	337	<b>Time</b>	O	TM	4/6	Used

		<b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)				
CUR13	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
CUR14	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
CUR15	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used
CUR16	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
CUR17	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
CUR18	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used
CUR19	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
CUR20	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
CUR21	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used

### Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. C1110 - If CUR11 is present, then CUR10 is required.
4. C1210 - If CUR12 is present, then CUR10 is required.
5. C1413 - If CUR14 is present, then CUR13 is required.
6. C1513 - If CUR15 is present, then CUR13 is required.
7. C1716 - If CUR17 is present, then CUR16 is required.
8. C1816 - If CUR18 is present, then CUR16 is required.
9. C2019 - If CUR20 is present, then CUR19 is required.
10. C2119 - If CUR21 is present, then CUR19 is required.

### Comments:

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

# REF Reference Numbers

Pos: 050	Max: 12
Heading - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

To specify identifying numbers.

## 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	<b>Reference Number Qualifier</b> <b>Description:</b> Code qualifying the Reference Number. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
REF02	127	<b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X	AN	1/30	Used
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

## Syntax Rules:

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

# PER Administrative Communications Contact

Pos: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 6

User Option (Usage): Used

To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
PER02	93	<b>Name</b> <b>Description:</b> Free-form name.	O	AN	1/35	Used
PER03	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PER04	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	X	AN	1/25	Used
PER05	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PER06	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	X	AN	1/25	Used

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.

# TAX Tax Reference

Pos: 070	Max: 3
Heading - Optional	
Loop: N/A	Elements: 12

User Option (Usage): Used

To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the 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>
TAX01	325	<b>Tax Identification Number</b> <b>Description:</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.), often called a tax exemption number or certificate number.	X	AN	1/20	Used
TAX02	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TAX03	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TAX04	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TAX05	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TAX06	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TAX07	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TAX08	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TAX09	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TAX10	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TAX11	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TAX12	441	<b>Tax Exempt Code</b> <b>Description:</b> Code identifying exemption status from sales and use tax.	O	ID	1/1	Used

**All valid standard codes are used.**

**Syntax Rules:**

1. R0103 - At least one of TAX01 or TAX03 is required.
2. P0203 - If either TAX02 or TAX03 is present, then the other is required.
3. P0405 - If either TAX04 or TAX05 is present, then the other is required.
4. P0607 - If either TAX06 or TAX07 is present, then the other is required.
5. P0809 - If either TAX08 or TAX09 is present, then the other is required.
6. P1011 - If either TAX10 or TAX11 is present, then the other is required.

**Comments:**

1. Tax ID number is, in many instances, referred to as a "Tax Exemption Number." The paired (combined) use of data elements 309 and 310 provides for the designation of five (5) taxing jurisdictions.
2. TAX01 is required if tax exemption is being claimed.

# FOB F.O.B. Related Instructions

Pos: 080	Max: 1
Heading - Optional	
Loop: N/A	Elements: 9

**User Option (Usage):** Used

To specify transportation instructions relating to shipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FOB01	146	<b>Shipment Method of Payment</b> <b>Description:</b> Code identifying payment terms for transportation charges. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
FOB02	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
FOB03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
FOB04	334	<b>Transportation Terms Qualifier Code</b> <b>Description:</b> Code identifying the source of the transportation terms. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
FOB05	335	<b>Transportation Terms Code</b> <b>Description:</b> Code identifying the trade terms which apply to the shipment transportation responsibility. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
FOB06	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
FOB07	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
FOB08	54	<b>Risk of Loss Qualifier</b> <b>Description:</b> Code specifying where responsibility for risk of loss passes. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
FOB09	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

## Syntax Rules:

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

**Semantics:**

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

# CTP Pricing Information

Pos: 090	Max: 25
Heading - Optional	
Loop: N/A	Elements: 8

**User Option (Usage):** Used

To specify pricing information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP01	687	<b>Class of Trade Code</b> <b>Description:</b> Code indicating class of trade. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
CTP02	236	<b>Price Identifier Code</b> <b>Description:</b> Code identifying pricing specification. <b>All valid standard codes are used.</b>	O	ID	3/3	Used
CTP03	212	<b>Unit Price</b> <b>Description:</b> Price per unit of product, service, commodity, etc.	O	R	1/14	Used
CTP04	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	O	R	1/15	Used
CTP05	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
CTP06	648	<b>Price Multiplier Qualifier</b> <b>Description:</b> Code indicating the type of price multiplier. <b>All valid standard codes are used.</b>	O	ID	3/3	Used
CTP07	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	X	R	1/10	Used
CTP08	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount.	O	R	1/15	Used

## Syntax Rules:

1. C0405 - If CTP04 is present, then CTP05 is required.
2. C0607 - If CTP06 is present, then CTP07 is required.

## Semantics:

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

## Comments:

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

# SSS Special Services

Pos: 100	Max: 25
Heading - Optional	
Loop: N/A	Elements: 9

**User Option (Usage):** Used

To specify special conditions or services associated with the purchased product

## 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>
SSS01	248	<b>Allowance or Charge Indicator</b> <b>Description:</b> Code which indicates an allowance or charge for the service specified. <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
SSS02	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
SSS03	560	<b>Special Services Code</b> <b>Description:</b> Code identifying the special service. <b>All valid standard codes are used.</b>	M	ID	2/10	Must use
SSS04	561	<b>Service Marks and Numbers</b> <b>Description:</b> Data used to identify the performance of the service specified by Special Services Code (560).	O	AN	1/45	Used
SSS05	359	<b>Allowance or Charge Rate</b> <b>Description:</b> Allowance or Charge Rate per Unit.	O	R	1/9	Used
SSS06	360	<b>Allowance or Charge Total Amount</b> <b>Description:</b> Total dollar amount for the allowance or charge.	O	N2	1/9	Used
SSS07	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
SSS08	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	O	R	1/15	Used
SSS09	822	<b>Source Subqualifier</b> <b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier.	O	AN	1/15	Used

## Comments:

1. SSS02 identifies the source of the code value in SSS03.
2. SSS07 (Description) is normally used to clarify/expand on the services to be provided.
3. SSS09 specifies the individual code list of the agency specified in SSS02.

# CSH Header Sale Condition

Pos: 110	Max: 1
Heading - Optional	
Loop: N/A	Elements: 8

**User Option (Usage):** Used

To specify general conditions or requirements of the sale

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CSH01	563	<b>Sales Requirement Code</b> <b>Description:</b> Code to identify a specific requirement or agreement of sale <b>All valid standard codes are used.</b>	O	ID	1/2	Used
CSH02	564	<b>Do-Not-Exceed Action Code</b> <b>Description:</b> Code indicating the action to be taken if the order amount exceeds the value of Do-Not-Exceed Amount (565). <b>All valid standard codes are used.</b>	O	ID	1/1	Used
CSH03	565	<b>Do-Not-Exceed Amount</b> <b>Description:</b> Maximum monetary amount value which the order must not exceed.	X	N2	2/9	Used
CSH04	508	<b>Account Number</b> <b>Description:</b> Account number assigned.	O	AN	1/35	Used
CSH05	596	<b>Required Invoice Date</b> <b>Description:</b> Date specified by the sender to be shown on the invoice.	O	DT	6/6	Used
CSH06	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
CSH07	560	<b>Special Services Code</b> <b>Description:</b> Code identifying the special service. <b>All valid standard codes are used.</b>	X	ID	2/10	Used
CSH08	566	<b>Product/Service Substitution Code</b> <b>Description:</b> Code indicating product or service substitution conditions. <b>All valid standard codes are used.</b>	O	ID	1/2	Used

## Syntax Rules:

1. C0203 - If CSH02 is present, then CSH03 is required.
2. P0607 - If either CSH06 or CSH07 is present, then the other is required.

## Semantics:

1. CSH04 is the account number to which the purchase amount is to be charged.
2. CSH06 identifies the source of the code value in CSH07.

# ITA Allowance, Charge or Service

Pos: 120	Max: 10
Heading - Optional	
Loop: N/A	Elements: 16

**User Option (Usage):** Used

To specify allowances, charges or services

## 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>
ITA01	248	<b>Allowance or Charge Indicator</b> <b>Description:</b> Code which indicates an allowance or charge for the service specified. <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
ITA02	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
ITA03	560	<b>Special Services Code</b> <b>Description:</b> Code identifying the special service. <b>All valid standard codes are used.</b>	X	ID	2/10	Used
ITA04	331	<b>Allowance or Charge Method of Handling Code</b> <b>Description:</b> Code indicating method of handling for an allowance or charge. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ITA05	341	<b>Allowance or Charge Number</b> <b>Description:</b> The number assigned by a vendor referencing an allowance, promotion, deal or charge.	O	AN	1/16	Used
ITA06	359	<b>Allowance or Charge Rate</b> <b>Description:</b> Allowance or Charge Rate per Unit.	O	R	1/9	Used
ITA07	360	<b>Allowance or Charge Total Amount</b> <b>Description:</b> Total dollar amount for the allowance or charge.	O	N2	1/9	Used
ITA08	378	<b>Allowance/ Charge Percent Qualifier</b> <b>Description:</b> Code indicating on what basis allowance or charge percent is calculated. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
ITA09	332	<b>Allowance or Charge Percent</b> <b>Description:</b> Allowance or charge expressed as a percent.	X	R	1/6	Used
ITA10	339	<b>Allowance or Charge Quantity</b> <b>Description:</b> Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity.	O	R	1/10	Used
ITA11	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used

ITA12	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	O	R	1/15	Used
ITA13	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used
ITA14	150	<b>Special Charge or Allowance Code</b> <b>Description:</b> Code identifying type of special charge or allowance. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
ITA15	822	<b>Source Subqualifier</b> <b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier.	O	AN	1/15	Used
ITA16	662	<b>Price Relationship Code</b> <b>Description:</b> Code indicating the relationship of the price or amount to the associated segment. <b>All valid standard codes are used.</b>	O	ID	1/1	Used

### Syntax Rules:

1. L02031314 - If ITA02 is present, then at least one of ITA03, ITA13 or ITA14 is required.
2. C0809 - If ITA08 is present, then ITA09 is required.
3. C1011 - If ITA10 is present, then ITA11 is required.
4. C1502 - If ITA15 is present, then ITA02 is required.

### Semantics:

1. ITA12 is the quantity of free goods.

### Comments:

1. If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2. ITA02 identifies the source of the code value in ITA03 or ITA14.
3. If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4. ITA13 is used to clarify the allowance, charge or service.
5. ITA15 specifies the individual code list of the agency specified in ITA02.
6. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

**ITD**

# Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: 5
Heading - Optional	
Loop: N/A	Elements: 15

**User Option (Usage):** Used

To specify terms of sale.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD01	336	<b>Terms Type Code</b> <b>Description:</b> Code identifying type of payment terms. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ITD02	333	<b>Terms Basis Date Code</b> <b>Description:</b> Code identifying the beginning of the terms period. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
ITD03	338	<b>Terms Discount Percent</b> <b>Description:</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date.	O	R	1/6	Used
ITD04	370	<b>Terms Discount Due Date</b> <b>Description:</b> Date payment is due if discount is to be earned.	X	DT	6/6	Used
ITD05	351	<b>Terms Discount Days Due</b> <b>Description:</b> Number of days in the terms discount period by which payment is due if terms discount is earned.	X	N0	1/3	Used
ITD06	446	<b>Terms Net Due Date</b> <b>Description:</b> Date when total invoice amount becomes due.	O	DT	6/6	Used
ITD07	386	<b>Terms Net Days</b> <b>Description:</b> Number of days until total invoice amount is due (discount not applicable).	O	N0	1/3	Used
ITD08	362	<b>Terms Discount Amount</b> <b>Description:</b> Total amount of terms discount.	O	N2	1/10	Used
ITD09	388	<b>Terms Deferred Due Date</b> <b>Description:</b> Date deferred payment or percent of invoice payable is due.	O	DT	6/6	Used
ITD10	389	<b>Deferred Amount Due</b> <b>Description:</b> Deferred amount due for payment.	X	N2	1/10	Used
ITD11	342	<b>Percent of Invoice Payable</b> <b>Description:</b> Amount of invoice payable expressed in percent.	X	R	1/5	Used
ITD12	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
ITD13	765	<b>Day of Month</b>	X	N0	1/2	Used

		<b>Description:</b> The numeric value of the day of the month between 1 and the maximum day of the month being referenced.				
ITD14	107	<b>Payment Method Code</b> <b>Description:</b> Code identifying type of payment procedures. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
ITD15	954	<b>Percent</b> <b>Description:</b> Percentage expressed as a decimal	O	R	1/10	Used

**Syntax Rules:**

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

**Semantics:**

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

**Comments:**

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

# DIS Discount Detail

Pos: 140	Max: 20
Heading - Optional	
Loop: N/A	Elements: 6

**User Option (Usage):** Used

To specify the exact type and terms of various discount 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>
DIS01	653	<b>Discount Terms Type Code</b> <b>Description:</b> Code to define the units in which the discount will be determined, i.e., dollars, case, truckload, etc. <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
DIS02	654	<b>Discount Base Qualifier</b> <b>Description:</b> Code to define unit of discount, i.e., dollars, cases, alternate products, etc. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
DIS03	655	<b>Discount Base Value</b> <b>Description:</b> A multiplier amount used in conjunction with discount base qualifier to determine the value of the discount.	M	R	1/10	Must use
DIS04	656	<b>Discount Control Limit Qualifier</b> <b>Description:</b> Code to define the units of the limits for determining discount. <b>All valid standard codes are used.</b>	M	ID	2/3	Must use
DIS05	657	<b>Lower Discount Control Limit</b> <b>Description:</b> Amount or time minimum for application of the discount.	M	NO	1/10	Must use
DIS06	658	<b>Upper Discount Control Limit</b> <b>Description:</b> Amount or time maximum for application of the discount.	O	NO	1/10	Used

# INC Installment Information

Pos: 145	Max: 1
Heading - Optional	
Loop: N/A	Elements: 5

**User Option (Usage):** Used

To specify installment billing arrangement

## 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>
INC01	336	<b>Terms Type Code</b> <b>Description:</b> Code identifying type of payment terms. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
INC02	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
INC03	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	M	R	1/15	Must use
INC04	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	M	R	1/15	Must use
INC05	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount.	O	R	1/15	Used

## Semantics:

1. INC02 is the installment period (e.g., months).
2. INC03 is the total number of installments.
3. INC04 is the number of the current installment.
4. INC05 is the installment balance after the current installment is applied.

# DTM Date/Time Reference

Pos: 150	Max: 10
Heading - Optional	
Loop: N/A	Elements: 5

**User Option (Usage):** Used

To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
DTM02	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	X	DT	6/6	Used
DTM03	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	X	TM	4/6	Used
DTM04	623	<b>Time Code</b> <b>Description:</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
DTM05	624	<b>Century</b> <b>Description:</b> The first two characters in the designation of the year (CCYY).	O	NO	2/2	Used

## Syntax Rules:

1. R0203 - At least one of DTM02 or DTM03 is required.

# LDT Lead Time

Pos: 160	Max: 12
Heading - Optional	
Loop: N/A	Elements: 4

**User Option (Usage):** Used

To specify lead time for availability of products and services.

## 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>
LDT01	345	<b>Lead Time Code</b> <b>Description:</b> Code indicating the time range. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
LDT02	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	M	R	1/15	Must use
LDT03	344	<b>Unit of Time Period or Interval</b> <b>Description:</b> Code indicating the time period or interval <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
LDT04	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used

## Semantics:

1. LDT04 is the effective date of lead time information.

# LIN Item Identification

Pos: 180	Max: 5
Heading - Optional	
Loop: N/A	Elements: 31

**User Option (Usage):** Used

To specify basic item identification 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>
LIN01	350	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set.	O	AN	1/11	Used
LIN02	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
LIN03	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	M	AN	1/30	Must use
LIN04	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN05	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN06	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN07	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN08	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN09	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN10	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN11	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used

LIN12	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN13	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN14	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN15	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN16	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN17	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN18	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN19	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN20	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN21	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN22	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN23	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN24	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN25	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN26	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2	Used

LIN27	234	<b>All valid standard codes are used.</b> <b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN28	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN29	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
LIN30	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
LIN31	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used

### Syntax Rules:

1. C0405 - If LIN04 is present, then LIN05 is required.
2. C0607 - If LIN06 is present, then LIN07 is required.
3. C0809 - If LIN08 is present, then LIN09 is required.
4. C1011 - If LIN10 is present, then LIN11 is required.
5. C1213 - If LIN12 is present, then LIN13 is required.
6. C1415 - If LIN14 is present, then LIN15 is required.
7. C1617 - If LIN16 is present, then LIN17 is required.
8. C1819 - If LIN18 is present, then LIN19 is required.
9. C2021 - If LIN20 is present, then LIN21 is required.
10. C2223 - If LIN22 is present, then LIN23 is required.
11. C2425 - If LIN24 is present, then LIN25 is required.
12. C2627 - If LIN26 is present, then LIN27 is required.
13. C2829 - If LIN28 is present, then LIN29 is required.
14. C3031 - If LIN30 is present, then LIN31 is required.

### Semantics:

1. LIN01 is the line item identification

### Comments:

1. See the Data Dictionary for a complete list of ID's.
2. LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

# SI Service Characteristic Identification

Pos: 185	Max: 2
Heading - Optional	
Loop: N/A	Elements: 21

User Option (Usage): Used

To specify service characteristic 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>
SI01	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
SI02	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	M	ID	2/2	Must use
SI03	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	M	AN	1/30	Must use
SI04	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI05	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI06	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI07	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI08	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI09	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI10	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI11	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI12	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI13	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI14	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list	X	ID	2/2	Used

SI15	234	qualifying the type of service characteristics. <b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI16	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI17	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI18	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI19	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI20	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI21	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used

### Syntax Rules:

1. P0405 - If either SI04 or SI05 is present, then the other is required.
2. P0607 - If either SI06 or SI07 is present, then the other is required.
3. P0809 - If either SI08 or SI09 is present, then the other is required.
4. P1011 - If either SI10 or SI11 is present, then the other is required.
5. P1213 - If either SI12 or SI13 is present, then the other is required.
6. P1415 - If either SI14 or SI15 is present, then the other is required.
7. P1617 - If either SI16 or SI17 is present, then the other is required.
8. P1819 - If either SI18 or SI19 is present, then the other is required.
9. P2021 - If either SI20 or SI21 is present, then the other is required.

### Comments:

1. SI01 defines the source for each of the service characteristics qualifiers.

# PID Product/Item Description

Pos: 190	Max: 200
Heading - Optional	
Loop: N/A	Elements: 8

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description. <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
PID02	750	<b>Product/Process Characteristic Code</b> <b>Description:</b> Code identifying the general class of a product or process characteristic <b>All valid standard codes are used.</b>	O	ID	2/3	Used
PID03	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PID04	751	<b>Product Description Code</b> <b>Description:</b> A code from an industry code list which provides specific data about a product characteristic.	X	AN	1/12	Used
PID05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used
PID06	752	<b>Surface/Layer/Position Code</b> <b>Description:</b> Code indicating the product surface, layer or position that is being described. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PID07	822	<b>Source Subqualifier</b> <b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier.	O	AN	1/15	Used
PID08	1073	<b>Yes/No Condition or Response Code</b> <b>Description:</b> Code indicating a Yes or No condition or response. <b>All valid standard codes are used.</b>	O	ID	1/1	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. C0803 - If PID08 is present, then PID03 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. A "N" indicates it does not apply. Any other value is indeterminate.

**Comments:**

1. If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "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.

# MEA Measurements

Pos: 200	Max: 40
Heading - Optional	
Loop: N/A	Elements: 10

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MEA01	737	<b>Measurement Reference ID Code</b> <b>Description:</b> Code identifying the broad category to which a measurement applies <b>All valid standard codes are used.</b>	O	ID	2/2	Used
MEA02	738	<b>Measurement Qualifier</b> <b>Description:</b> Code identifying a specific product or process characteristic to which a measurement applies <b>All valid standard codes are used.</b>	O	ID	1/3	Used
MEA03	739	<b>Measurement Value</b> <b>Description:</b> The value of the measurement.	X	R	1/10	Used
MEA04	C001	<b>Composite Unit of Measure</b> <b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use.)	X	Comp		Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used

	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
MEA05	740	<b>Range Minimum</b> <b>Description:</b> The value specifying the minimum of the measurement range.	X	R	1/10	Used
MEA06	741	<b>Range Maximum</b> <b>Description:</b> The value specifying the maximum of the measurement range.	X	R	1/10	Used
MEA07	935	<b>Measurement Significance Code</b> <b>Description:</b> Code used to benchmark, qualify or further define a measurement value. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
MEA08	936	<b>Measurement Attribute Code</b> <b>Description:</b> Code used to express an attribute response when a numeric measurement value cannot be determined. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
MEA09	752	<b>Surface/Layer/Position Code</b> <b>Description:</b> Code indicating the product surface, layer or position that is being described. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
MEA10	1373	<b>Measurement Method or Device</b> <b>Description:</b> The method or device used to record the measurement <b>All valid standard codes are used.</b>	X	ID	2/4	Used

### Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0304 - If MEA03 is present, then MEA04 is required.
3. C0504 - If MEA05 is present, then MEA04 is required.
4. C0604 - If MEA06 is present, then MEA04 is required.
5. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
6. E0803 - Only one of MEA08 or MEA03 may be present.

**Semantics:**

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

**Comments:**

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

# PWK Paperwork

Pos: 210	Max: 25
Heading - Optional	
Loop: N/A	Elements: 8

**User Option (Usage):** Used

To identify the type and transmission of paperwork or supporting 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>
PWK01	755	<b>Report Type Code</b> <b>Description:</b> Code indicating the title or contents of a document, report or supporting item <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
PWK02	756	<b>Report Transmission Code</b> <b>Description:</b> Code defining timing, transmission method or format by which reports are to be sent <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PWK03	757	<b>Report Copies Needed</b> <b>Description:</b> The number of copies of a report that should be sent to the addressee.	O	N0	1/2	Used
PWK04	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PWK05	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used.</b>	X	ID	1/2	Used
PWK06	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	X	AN	2/17	Used
PWK07	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
PWK08	704	<b>Paperwork/Report Action Code</b> <b>Description:</b> Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required. <b>All valid standard codes are used.</b>	O	ID	1/2	Used

## Syntax Rules:

1. P0506 - If either PWK05 or PWK06 is present, then the other is required.

## Comments:

1. PWK05 and PWK06 may be used to identify the addressee by a code number.

2. PWK07 may be used to indicate special information to be shown on the specified report.
3. PWK08 may be used to indicate action pertaining to a report.

# PKG Marking, Packaging, Loading

Pos: 220	Max: 25
Heading - Optional	
Loop: N/A	Elements: 6

**User Option (Usage):** Used

To describe marking, packaging, loading and unloading requirements.

## 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>
PKG01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description. <b>All valid standard codes are used.</b>	X	ID	1/1	Used
PKG02	753	<b>Packaging Characteristic Code</b> <b>Description:</b> Code specifying the marking, packaging, loading and related characteristics being described. <b>All valid standard codes are used.</b>	O	ID	1/5	Used
PKG03	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PKG04	754	<b>Packaging Description Code</b> <b>Description:</b> A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product.	X	AN	1/7	Used
PKG05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used
PKG06	400	<b>Unit Load Option Code</b> <b>Description:</b> Code identifying loading or unloading a shipment <b>All valid standard codes are used.</b>	O	ID	2/2	Used

## Syntax Rules:

1. R040506 - At least one of PKG04, PKG05 or PKG06 is required.
2. C0401 - If PKG04 is present, then PKG01 is required.
3. C0501 - If PKG05 is present, then PKG01 is required.

## Semantics:

1. PKG04 should be used for industry-specific packaging description codes.

## Comments:

1. Use MEA (Measurements) segment to define dimensions, tolerances weights, counts, physical restrictions, etc.
2. If PKG01 = ``F", then PKG05 is used. If PKG01 = ``S", then PKG04 is used. If PKG01 = ``X", then both PKG04 and PKG05 are used.
3. Use PKG03 to indicate the organization that publishes the code list being referred to.

4. Special marking or tagging data can be given in PKG05 (Description).

# TD1 Carrier Details (Quantity and Weight)

Pos: 230	Max: 2
Heading - Optional	
Loop: N/A	Elements: 8

User Option (Usage): Used

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	<b>Packaging Code</b> <b>Description:</b> Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material. <b>All valid standard codes are used.</b>	O	AN	5/5	Used
TD102	80	<b>Lading Quantity</b> <b>Description:</b> Number of units (pieces) of the lading commodity.	X	NO	1/7	Used
TD103	23	<b>Commodity Code Qualifier</b> <b>Description:</b> Code identifying the commodity coding system used for Commodity Code. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
TD104	22	<b>Commodity Code</b> <b>Description:</b> Code describing a commodity or group of commodities.	X	AN	1/16	Used
TD105	79	<b>Lading Description</b> <b>Description:</b> Description of an item as required for rating and billing purposes.	O	AN	1/50	Used
TD106	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD107	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	X	R	1/10	Used
TD108	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used

## Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0304 - If TD103 is present, then TD104 is required.
3. C060708 - If TD106 is present, then TD107 and TD108 are required.

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Heading - Optional	
Loop: N/A	Elements: 12

User Option (Usage): Used

To specify the carrier, sequence of routing and to provide transit time 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>
TD501	133	<b>Routing Sequence Code</b> <b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD502	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TD503	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	X	AN	2/17	Used
TD504	91	<b>Transportation Method/Type Code</b> <b>Description:</b> Code specifying the method or type of transportation for the shipment. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TD505	387	<b>Routing</b> <b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.	X	AN	1/35	Used
TD506	368	<b>Shipment/Order Status Code</b> <b>Description:</b> Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
TD507	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD508	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TD509	731	<b>Transit Direction Code</b> <b>Description:</b> The point of origin and point of direction. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
TD510	732	<b>Transit Time Direction Qualifier</b> <b>Description:</b> Code specifying the value of time used to measure the transit time. <b>All valid standard codes are used.</b>	O	ID	2/2	Used

TD511	733	<b>Transit Time</b> <b>Description:</b> The numeric amount of transit time.	X	R	1/4	Used
TD512	284	<b>Service Level Code</b> <b>Description:</b> Code defining service <b>All valid standard codes are used.</b>	X	ID	2/2	Used

**Syntax Rules:**

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.

**Comments:**

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

# TD3 Carrier Details (Equipment)

Pos: 250	Max: 12
Heading - Optional	
Loop: N/A	Elements: 9

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD301	40	<b>Equipment Description Code</b> <b>Description:</b> Code identifying type of equipment used for shipment. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
TD302	206	<b>Equipment Initial</b> <b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number.	O	AN	1/4	Used
TD303	207	<b>Equipment Number</b> <b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).	X	AN	1/10	Used
TD304	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD305	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	X	R	1/10	Used
TD306	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
TD307	102	<b>Ownership Code</b> <b>Description:</b> Code indicating the relationship of equipment to carrier. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
TD308	407	<b>Seal Status Code</b> <b>Description:</b> Code indicating condition of door seal upon arrival. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
TD309	225	<b>Seal Number</b> <b>Description:</b> Unique number on seal used to close a shipment.	O	AN	2/15	Used

## Syntax Rules:

1. C0203 - If TD302 is present, then TD303 is required.
2. C040506 - If TD304 is present, then TD305 and TD306 are required.

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

Pos: 260	Max: 5
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

To specify transportation special handling requirements or hazardous materials information or both

### 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>
TD401	152	<b>Special Handling Code</b> <b>Description:</b> Code specifying special transportation handling instructions. <b>All valid standard codes are used.</b>	X	ID	2/3	Used
TD402	208	<b>Hazardous Material Code Qualifier</b> <b>Description:</b> Code which qualifies the Hazardous Material Class Code (209). <b>All valid standard codes are used.</b>	X	ID	1/1	Used
TD403	209	<b>Hazardous Material Class Code</b> <b>Description:</b> Code specifying the kind of hazard for a material.	X	AN	2/4	Used
TD404	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

### Syntax Rules:

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

# MAN Marks and Numbers

Pos: 270	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

To indicate identifying marks and numbers for shipping containers

## 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>
MAN01	88	<b>Marks and Numbers Qualifier</b> <b>Description:</b> Code specifying the application or source of Marks and Numbers (87). <b>All valid standard codes are used.</b>	M	ID	1/2	Must use
MAN02	87	<b>Marks and Numbers</b> <b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment.	M	AN	1/45	Must use

# Loop N9

Pos: 280	Repeat: 1000
	Optional
Loop: N9	Elements: N/A

To transmit identifying numbers and descriptive information as specified by the reference number qualifier

## 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>
280	N9	Reference Number	O	1		Used
290	MSG	Message Text	O	1000		Used

**N9****Reference Number**

Pos: 280	Max: 1
Heading - Optional	
Loop: N9	Elements: 5

**User Option (Usage):** Used

To transmit identifying numbers and descriptive information as specified by the reference number qualifier

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	<b>Reference Number Qualifier</b> <b>Description:</b> Code qualifying the Reference Number. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
N902	127	<b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X	AN	1/30	Used
N903	369	<b>Free-form Description</b> <b>Description:</b> Free-form descriptive text.	X	AN	1/45	Used
N904	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
N905	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used

**Syntax Rules:**

1. R0203 - At least one of N902 or N903 is required.

# MSG Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 2

**User Option (Usage):** Used

To provide a free form format that would allow the transmission of text 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>
MSG01	933	<b>Free-Form Message Text</b> <b>Description:</b> Free-form message text.	M	AN	1/264	Must use
MSG02	934	<b>Printer Carriage Control Code</b> <b>Description:</b> A field to be used for the control of the line feed of the receiving printer. <b>All valid standard codes are used.</b>	O	ID	2/2	Used

## Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

# Loop N1

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

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	O	1		Used
310	N2	Additional Name Information	O	2		Used
320	N3	Address Information	O	2		Used
330	N4	Geographic Location	O	1		Used
335	NX2	Real Estate Property ID Component	O	3		Used
340	REF	Reference Numbers	O	12		Used
350	PER	Administrative Communications Contact	O	3		Used
360	FOB	F.O.B. Related Instructions	O	1		Used
370	TD1	Carrier Details (Quantity and Weight)	O	2		Used
380	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Used
390	TD3	Carrier Details (Equipment)	O	12		Used
400	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5		Used
410	PKG	Marking, Packaging, Loading	O	25		Used

# N1

# Name

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

**User Option (Usage):** Used

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
N102	93	<b>Name</b> <b>Description:</b> Free-form name.	X	AN	1/35	Used
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used.</b>	X	ID	1/2	Used
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	X	AN	2/17	Used

## 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.

# N2

## Additional Name Information

Pos: 310	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

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	<b>Name</b> Description: Free-form name.	M	AN	1/35	Must use
N202	93	<b>Name</b> Description: Free-form name.	O	AN	1/35	Used

# N3 Address Information

Pos: 320	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

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	<b>Address Information</b> Description: Address information	M	AN	1/35	Must use
N302	166	<b>Address Information</b> Description: Address information	O	AN	1/35	Used

# N4 Geographic Location

Pos: 330	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

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	<b>City Name</b> <b>Description:</b> Free-form text for city name.	X	AN	2/30	Used
N402	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency.	O	ID	2/2	Used
N403	116	<b>Postal Code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O	ID	3/9	Used
N404	26	<b>Country Code</b> <b>Description:</b> Code identifying the country.	O	ID	2/3	Used
N405	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
N406	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used

## Syntax Rules:

1. R0105 - At least one of N401 or N405 is required.
2. P0506 - If either N405 or N406 is present, then the other 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 USA or Canada.

# NX2 Real Estate Property ID Component

Pos: 335	Max: 3
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

To define types and values for geographic location of real estate property

## 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>
NX201	1106	<b>Address Component Qualifier</b> <b>Description:</b> Code qualifying the type of address component. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
NX202	166	<b>Address Information</b> <b>Description:</b> Address information	M	AN	1/35	Must use

## Semantics:

1. NX201 defines the type of address component.
2. NX202 defines the address component identified in NX201.

# REF Reference Numbers

Pos: 340	Max: 12
Heading - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

To specify identifying numbers.

## 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	<b>Reference Number Qualifier</b> <b>Description:</b> Code qualifying the Reference Number. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
REF02	127	<b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X	AN	1/30	Used
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

## Syntax Rules:

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

# PER Administrative Communications Contact

Pos: 350	Max: 3
Heading - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
PER02	93	<b>Name</b> <b>Description:</b> Free-form name.	O	AN	1/35	Used
PER03	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PER04	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	X	AN	1/25	Used
PER05	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PER06	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	X	AN	1/25	Used

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.

# FOB F.O.B. Related Instructions

Pos: 360	Max: 1
Heading - Optional	
Loop: N1	Elements: 9

**User Option (Usage):** Used

To specify transportation instructions relating to shipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FOB01	146	<b>Shipment Method of Payment</b> <b>Description:</b> Code identifying payment terms for transportation charges. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
FOB02	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
FOB03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
FOB04	334	<b>Transportation Terms Qualifier Code</b> <b>Description:</b> Code identifying the source of the transportation terms. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
FOB05	335	<b>Transportation Terms Code</b> <b>Description:</b> Code identifying the trade terms which apply to the shipment transportation responsibility. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
FOB06	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
FOB07	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
FOB08	54	<b>Risk of Loss Qualifier</b> <b>Description:</b> Code specifying where responsibility for risk of loss passes. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
FOB09	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

## Syntax Rules:

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

**Semantics:**

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

# TD1 Carrier Details (Quantity and Weight)

Pos: 370	Max: 2
Heading - Optional	
Loop: N1	Elements: 8

User Option (Usage): Used

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	<b>Packaging Code</b> <b>Description:</b> Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material. <b>All valid standard codes are used.</b>	O	AN	5/5	Used
TD102	80	<b>Lading Quantity</b> <b>Description:</b> Number of units (pieces) of the lading commodity.	X	NO	1/7	Used
TD103	23	<b>Commodity Code Qualifier</b> <b>Description:</b> Code identifying the commodity coding system used for Commodity Code. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
TD104	22	<b>Commodity Code</b> <b>Description:</b> Code describing a commodity or group of commodities.	X	AN	1/16	Used
TD105	79	<b>Lading Description</b> <b>Description:</b> Description of an item as required for rating and billing purposes.	O	AN	1/50	Used
TD106	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD107	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	X	R	1/10	Used
TD108	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used

## Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0304 - If TD103 is present, then TD104 is required.
3. C060708 - If TD106 is present, then TD107 and TD108 are required.

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 380	Max: 12
Heading - Optional	
Loop: N1	Elements: 12

User Option (Usage): Used

To specify the carrier, sequence of routing and to provide transit time 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>
TD501	133	<b>Routing Sequence Code</b> <b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD502	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TD503	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	X	AN	2/17	Used
TD504	91	<b>Transportation Method/Type Code</b> <b>Description:</b> Code specifying the method or type of transportation for the shipment. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TD505	387	<b>Routing</b> <b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.	X	AN	1/35	Used
TD506	368	<b>Shipment/Order Status Code</b> <b>Description:</b> Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
TD507	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD508	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TD509	731	<b>Transit Direction Code</b> <b>Description:</b> The point of origin and point of direction. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
TD510	732	<b>Transit Time Direction Qualifier</b> <b>Description:</b> Code specifying the value of time used to measure the transit time. <b>All valid standard codes are used.</b>	O	ID	2/2	Used

TD511	733	<b>Transit Time</b> <b>Description:</b> The numeric amount of transit time.	X	R	1/4	Used
TD512	284	<b>Service Level Code</b> <b>Description:</b> Code defining service <b>All valid standard codes are used.</b>	X	ID	2/2	Used

**Syntax Rules:**

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.

**Comments:**

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

# TD3 Carrier Details (Equipment)

Pos: 390	Max: 12
Heading - Optional	
Loop: N1	Elements: 9

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD301	40	<b>Equipment Description Code</b> <b>Description:</b> Code identifying type of equipment used for shipment. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
TD302	206	<b>Equipment Initial</b> <b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number.	O	AN	1/4	Used
TD303	207	<b>Equipment Number</b> <b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).	X	AN	1/10	Used
TD304	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD305	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	X	R	1/10	Used
TD306	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
TD307	102	<b>Ownership Code</b> <b>Description:</b> Code indicating the relationship of equipment to carrier. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
TD308	407	<b>Seal Status Code</b> <b>Description:</b> Code indicating condition of door seal upon arrival. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
TD309	225	<b>Seal Number</b> <b>Description:</b> Unique number on seal used to close a shipment.	O	AN	2/15	Used

## Syntax Rules:

1. C0203 - If TD302 is present, then TD303 is required.
2. C040506 - If TD304 is present, then TD305 and TD306 are required.

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

Pos: 400	Max: 5
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

To specify transportation special handling requirements or hazardous materials information or both

## 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>
TD401	152	<b>Special Handling Code</b> <b>Description:</b> Code specifying special transportation handling instructions. <b>All valid standard codes are used.</b>	X	ID	2/3	Used
TD402	208	<b>Hazardous Material Code Qualifier</b> <b>Description:</b> Code which qualifies the Hazardous Material Class Code (209). <b>All valid standard codes are used.</b>	X	ID	1/1	Used
TD403	209	<b>Hazardous Material Class Code</b> <b>Description:</b> Code specifying the kind of hazard for a material.	X	AN	2/4	Used
TD404	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

## Syntax Rules:

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

# PKG Marking, Packaging, Loading

Pos: 410	Max: 25
Heading - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

To describe marking, packaging, loading and unloading requirements.

## 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>
PKG01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description. <b>All valid standard codes are used.</b>	X	ID	1/1	Used
PKG02	753	<b>Packaging Characteristic Code</b> <b>Description:</b> Code specifying the marking, packaging, loading and related characteristics being described. <b>All valid standard codes are used.</b>	O	ID	1/5	Used
PKG03	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PKG04	754	<b>Packaging Description Code</b> <b>Description:</b> A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product.	X	AN	1/7	Used
PKG05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used
PKG06	400	<b>Unit Load Option Code</b> <b>Description:</b> Code identifying loading or unloading a shipment <b>All valid standard codes are used.</b>	O	ID	2/2	Used

## Syntax Rules:

1. R040506 - At least one of PKG04, PKG05 or PKG06 is required.
2. C0401 - If PKG04 is present, then PKG01 is required.
3. C0501 - If PKG05 is present, then PKG01 is required.

## Semantics:

1. PKG04 should be used for industry-specific packaging description codes.

## Comments:

1. Use MEA (Measurements) segment to define dimensions, tolerances weights, counts, physical restrictions, etc.
2. If PKG01 = ``F", then PKG05 is used. If PKG01 = ``S", then PKG04 is used. If PKG01 = ``X", then both PKG04 and PKG05 are used.
3. Use PKG03 to indicate the organization that publishes the code list being referred to.

4. Special marking or tagging data can be given in PKG05 (Description).

# Loop PO1

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

To specify basic and most frequently used line item data

## 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>
010	PO1	Baseline Item Data	O	1		Used
018	SI	Service Characteristic Identification	O	5		Used
020	CUR	Currency	O	1		Used
030	PO3	Additional Item Detail	O	25		Used
040	CTP	Pricing Information	O	25		Used
049	MEA	Measurements	O	40		Used
050		Loop PID	O		1000	Used
070	PWK	Paperwork	O	25		Used
080	PKG	Marking, Packaging, Loading	O	25		Used
090	PO4	Item Physical Details	O	1		Used
100	REF	Reference Numbers	O	12		Used
110	PER	Administrative Communications Contact	O	3		Used
120	SSS	Special Services	O	25		Used
130	ITA	Allowance, Charge or Service	O	10		Used
140	IT8	Conditions of Sale	O	1		Used
150	ITD	Terms of Sale/Deferred Terms of Sale	O	2		Used
160	DIS	Discount Detail	O	20		Used
165	INC	Installment Information	O	1		Used
170	TAX	Tax Reference	O	3		Used
180	FOB	F.O.B. Related Instructions	O	1		Used
190	SDQ	Destination Quantity	O	500		Used
200	DTM	Date/Time Reference	O	10		Used
210	LDT	Lead Time	O	12		Used
220	SCH	Line Item Schedule	O	200		Used
230	TD1	Carrier Details (Quantity and Weight)	O	1		Used
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Used
250	TD3	Carrier Details (Equipment)	O	12		Used
260	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5		Used
270		Loop ACK	O		104	Used
290	MAN	Marks and Numbers	O	10		Used
300	AMT	Monetary Amount	O	1		Used
350		Loop N9	O		1000	Used
370		Loop N1	O		200	Used
490		Loop SLN	O		1000	Used

# PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Optional	
Loop: PO1	Elements: 25

**User Option (Usage):** Used

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	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set.	O	AN	1/11	Used
PO102	330	<b>Quantity Ordered</b> <b>Description:</b> Quantity ordered.	X	R	1/9	Used
PO103	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PO104	212	<b>Unit Price</b> <b>Description:</b> Price per unit of product, service, commodity, etc.	X	R	1/14	Used
PO105	639	<b>Basis of Unit Price Code</b> <b>Description:</b> Code identifying the type of unit price for an item. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PO106	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PO107	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
PO108	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PO109	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
PO110	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PO111	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
PO112	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the	O	ID	2/2	Used

		type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>				
PO113	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
PO114	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PO115	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
PO116	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PO117	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
PO118	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PO119	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
PO120	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PO121	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
PO122	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PO123	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
PO124	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PO125	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used

**Syntax Rules:**

1. C0302 - If PO103 is present, then PO102 is required.
2. C0504 - If PO105 is present, then PO104 is required.

3. C0607 - If PO106 is present, then PO107 is required.
4. C0809 - If PO108 is present, then PO109 is required.
5. C1011 - If PO110 is present, then PO111 is required.
6. C1213 - If PO112 is present, then PO113 is required.
7. C1415 - If PO114 is present, then PO115 is required.
8. C1617 - If PO116 is present, then PO117 is required.
9. C1819 - If PO118 is present, then PO119 is required.
10. C2021 - If PO120 is present, then PO121 is required.
11. C2223 - If PO122 is present, then PO123 is required.
12. C2425 - If PO124 is present, then PO125 is required.

**Comments:**

1. See the Data Dictionary for a complete list of ID's.
2. PO101 is the line item identification
3. PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

# SI Service Characteristic Identification

Pos: 018	Max: 5
Detail - Optional	
Loop: PO1	Elements: 21

User Option (Usage): Used

To specify service characteristic 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>
SI01	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
SI02	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	M	ID	2/2	Must use
SI03	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	M	AN	1/30	Must use
SI04	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI05	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI06	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI07	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI08	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI09	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI10	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI11	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI12	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI13	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI14	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list	X	ID	2/2	Used

SI15	234	qualifying the type of service characteristics. <b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI16	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI17	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI18	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI19	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI20	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI21	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used

### Syntax Rules:

1. P0405 - If either SI04 or SI05 is present, then the other is required.
2. P0607 - If either SI06 or SI07 is present, then the other is required.
3. P0809 - If either SI08 or SI09 is present, then the other is required.
4. P1011 - If either SI10 or SI11 is present, then the other is required.
5. P1213 - If either SI12 or SI13 is present, then the other is required.
6. P1415 - If either SI14 or SI15 is present, then the other is required.
7. P1617 - If either SI16 or SI17 is present, then the other is required.
8. P1819 - If either SI18 or SI19 is present, then the other is required.
9. P2021 - If either SI20 or SI21 is present, then the other is required.

### Comments:

1. SI01 defines the source for each of the service characteristics qualifiers.

# CUR Currency

Pos: 020	Max: 1
Detail - Optional	
Loop: PO1	Elements: 21

**User Option (Usage):** Used

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
CUR02	100	<b>Currency Code</b> <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified.	M	ID	3/3	Must use
CUR03	280	<b>Exchange Rate</b> <b>Description:</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another.	O	R	4/6	Used
CUR04	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used.</b>	O	ID	2/2	Used
CUR05	100	<b>Currency Code</b> <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified.	O	ID	3/3	Used
CUR06	669	<b>Currency Market/Exchange Code</b> <b>Description:</b> Code identifying the market upon which the currency exchange rate is based. <b>All valid standard codes are used.</b>	O	ID	3/3	Used
CUR07	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
CUR08	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
CUR09	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used
CUR10	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
CUR11	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
CUR12	337	<b>Time</b>	O	TM	4/6	Used

		<b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)				
CUR13	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
CUR14	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
CUR15	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used
CUR16	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
CUR17	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
CUR18	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used
CUR19	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
CUR20	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
CUR21	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used

### Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. C1110 - If CUR11 is present, then CUR10 is required.
4. C1210 - If CUR12 is present, then CUR10 is required.
5. C1413 - If CUR14 is present, then CUR13 is required.
6. C1513 - If CUR15 is present, then CUR13 is required.
7. C1716 - If CUR17 is present, then CUR16 is required.
8. C1816 - If CUR18 is present, then CUR16 is required.
9. C2019 - If CUR20 is present, then CUR19 is required.
10. C2119 - If CUR21 is present, then CUR19 is required.

### Comments:

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

# PO3 Additional Item Detail

Pos: 030	Max: 25
Detail - Optional	
Loop: PO1	Elements: 8

**User Option (Usage):** Used

To specify additional item related data involving variations in normal price/quantity structure.

## 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>
PO301	371	<b>Change Reason Code</b> <b>Description:</b> Code specifying the reason for price or quantity change. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
PO302	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
PO303	236	<b>Price Identifier Code</b> <b>Description:</b> Code identifying pricing specification. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
PO304	212	<b>Unit Price</b> <b>Description:</b> Price per unit of product, service, commodity, etc.	O	R	1/14	Used
PO305	639	<b>Basis of Unit Price Code</b> <b>Description:</b> Code identifying the type of unit price for an item. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PO306	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	M	R	1/15	Must use
PO307	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
PO308	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used

## Syntax Rules:

1. L040305 - If PO304 is present, then at least one of PO303 or PO305 is required.

## Comments:

1. Some examples of price/quantity variations are: price in different units from the PO1 segment, price changes by date, or price changes by quantity (break and level).
2. PO307 defines the unit of measure for PO306.

# CTP Pricing Information

Pos: 040	Max: 25
Detail - Optional	
Loop: PO1	Elements: 8

**User Option (Usage):** Used

To specify pricing information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP01	687	<b>Class of Trade Code</b> <b>Description:</b> Code indicating class of trade. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
CTP02	236	<b>Price Identifier Code</b> <b>Description:</b> Code identifying pricing specification. <b>All valid standard codes are used.</b>	O	ID	3/3	Used
CTP03	212	<b>Unit Price</b> <b>Description:</b> Price per unit of product, service, commodity, etc.	O	R	1/14	Used
CTP04	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	O	R	1/15	Used
CTP05	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
CTP06	648	<b>Price Multiplier Qualifier</b> <b>Description:</b> Code indicating the type of price multiplier. <b>All valid standard codes are used.</b>	O	ID	3/3	Used
CTP07	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	X	R	1/10	Used
CTP08	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount.	O	R	1/15	Used

## Syntax Rules:

1. C0405 - If CTP04 is present, then CTP05 is required.
2. C0607 - If CTP06 is present, then CTP07 is required.

## Semantics:

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

## Comments:

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

# MEA Measurements

Pos: 049	Max: 40
Detail - Optional	
Loop: PO1	Elements: 10

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MEA01	737	<b>Measurement Reference ID Code</b> <b>Description:</b> Code identifying the broad category to which a measurement applies <b>All valid standard codes are used.</b>	O	ID	2/2	Used
MEA02	738	<b>Measurement Qualifier</b> <b>Description:</b> Code identifying a specific product or process characteristic to which a measurement applies <b>All valid standard codes are used.</b>	O	ID	1/3	Used
MEA03	739	<b>Measurement Value</b> <b>Description:</b> The value of the measurement.	X	R	1/10	Used
MEA04	C001	<b>Composite Unit of Measure</b> <b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use.)	X	Comp		Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used

	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
MEA05	740	<b>Range Minimum</b> <b>Description:</b> The value specifying the minimum of the measurement range.	X	R	1/10	Used
MEA06	741	<b>Range Maximum</b> <b>Description:</b> The value specifying the maximum of the measurement range.	X	R	1/10	Used
MEA07	935	<b>Measurement Significance Code</b> <b>Description:</b> Code used to benchmark, qualify or further define a measurement value. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
MEA08	936	<b>Measurement Attribute Code</b> <b>Description:</b> Code used to express an attribute response when a numeric measurement value cannot be determined. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
MEA09	752	<b>Surface/Layer/Position Code</b> <b>Description:</b> Code indicating the product surface, layer or position that is being described. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
MEA10	1373	<b>Measurement Method or Device</b> <b>Description:</b> The method or device used to record the measurement <b>All valid standard codes are used.</b>	X	ID	2/4	Used

### Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0304 - If MEA03 is present, then MEA04 is required.
3. C0504 - If MEA05 is present, then MEA04 is required.
4. C0604 - If MEA06 is present, then MEA04 is required.
5. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
6. E0803 - Only one of MEA08 or MEA03 may be present.

**Semantics:**

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

**Comments:**

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

# Loop PID

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

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	O	1		Used
060	MEA	Measurements	O	10		Used

# PID Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	Elements: 8

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description. <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
PID02	750	<b>Product/Process Characteristic Code</b> <b>Description:</b> Code identifying the general class of a product or process characteristic <b>All valid standard codes are used.</b>	O	ID	2/3	Used
PID03	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PID04	751	<b>Product Description Code</b> <b>Description:</b> A code from an industry code list which provides specific data about a product characteristic.	X	AN	1/12	Used
PID05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used
PID06	752	<b>Surface/Layer/Position Code</b> <b>Description:</b> Code indicating the product surface, layer or position that is being described. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PID07	822	<b>Source Subqualifier</b> <b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier.	O	AN	1/15	Used
PID08	1073	<b>Yes/No Condition or Response Code</b> <b>Description:</b> Code indicating a Yes or No condition or response. <b>All valid standard codes are used.</b>	O	ID	1/1	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. C0803 - If PID08 is present, then PID03 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. A "N" indicates it does not apply. Any other value is indeterminate.

**Comments:**

1. If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "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.

# MEA Measurements

Pos: 060	Max: 10
Detail - Optional	
Loop: PID	Elements: 10

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MEA01	737	<b>Measurement Reference ID Code</b> <b>Description:</b> Code identifying the broad category to which a measurement applies <b>All valid standard codes are used.</b>	O	ID	2/2	Used
MEA02	738	<b>Measurement Qualifier</b> <b>Description:</b> Code identifying a specific product or process characteristic to which a measurement applies <b>All valid standard codes are used.</b>	O	ID	1/3	Used
MEA03	739	<b>Measurement Value</b> <b>Description:</b> The value of the measurement.	X	R	1/10	Used
MEA04	C001	<b>Composite Unit of Measure</b> <b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use.)	X	Comp		Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used

	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	O	ID	2/2	Used
	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised.	O	R	1/15	Used
	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
MEA05	740	<b>Range Minimum</b> <b>Description:</b> The value specifying the minimum of the measurement range.	X	R	1/10	Used
MEA06	741	<b>Range Maximum</b> <b>Description:</b> The value specifying the maximum of the measurement range.	X	R	1/10	Used
MEA07	935	<b>Measurement Significance Code</b> <b>Description:</b> Code used to benchmark, qualify or further define a measurement value. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
MEA08	936	<b>Measurement Attribute Code</b> <b>Description:</b> Code used to express an attribute response when a numeric measurement value cannot be determined. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
MEA09	752	<b>Surface/Layer/Position Code</b> <b>Description:</b> Code indicating the product surface, layer or position that is being described. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
MEA10	1373	<b>Measurement Method or Device</b> <b>Description:</b> The method or device used to record the measurement <b>All valid standard codes are used.</b>	X	ID	2/4	Used

### Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0304 - If MEA03 is present, then MEA04 is required.
3. C0504 - If MEA05 is present, then MEA04 is required.
4. C0604 - If MEA06 is present, then MEA04 is required.
5. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
6. E0803 - Only one of MEA08 or MEA03 may be present.

**Semantics:**

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

**Comments:**

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

# PWK Paperwork

Pos: 070	Max: 25
Detail - Optional	
Loop: PO1	Elements: 8

**User Option (Usage):** Used

To identify the type and transmission of paperwork or supporting 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>
PWK01	755	<b>Report Type Code</b> <b>Description:</b> Code indicating the title or contents of a document, report or supporting item <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
PWK02	756	<b>Report Transmission Code</b> <b>Description:</b> Code defining timing, transmission method or format by which reports are to be sent <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PWK03	757	<b>Report Copies Needed</b> <b>Description:</b> The number of copies of a report that should be sent to the addressee.	O	N0	1/2	Used
PWK04	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PWK05	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used.</b>	X	ID	1/2	Used
PWK06	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	X	AN	2/17	Used
PWK07	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
PWK08	704	<b>Paperwork/Report Action Code</b> <b>Description:</b> Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required. <b>All valid standard codes are used.</b>	O	ID	1/2	Used

## Syntax Rules:

1. P0506 - If either PWK05 or PWK06 is present, then the other is required.

## Comments:

1. PWK05 and PWK06 may be used to identify the addressee by a code number.

2. PWK07 may be used to indicate special information to be shown on the specified report.
3. PWK08 may be used to indicate action pertaining to a report.

# PKG Marking, Packaging, Loading

Pos: 080	Max: 25
Detail - Optional	
Loop: PO1	Elements: 6

**User Option (Usage):** Used

To describe marking, packaging, loading and unloading requirements.

## 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>
PKG01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description. <b>All valid standard codes are used.</b>	X	ID	1/1	Used
PKG02	753	<b>Packaging Characteristic Code</b> <b>Description:</b> Code specifying the marking, packaging, loading and related characteristics being described. <b>All valid standard codes are used.</b>	O	ID	1/5	Used
PKG03	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PKG04	754	<b>Packaging Description Code</b> <b>Description:</b> A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product.	X	AN	1/7	Used
PKG05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used
PKG06	400	<b>Unit Load Option Code</b> <b>Description:</b> Code identifying loading or unloading a shipment <b>All valid standard codes are used.</b>	O	ID	2/2	Used

## Syntax Rules:

1. R040506 - At least one of PKG04, PKG05 or PKG06 is required.
2. C0401 - If PKG04 is present, then PKG01 is required.
3. C0501 - If PKG05 is present, then PKG01 is required.

## Semantics:

1. PKG04 should be used for industry-specific packaging description codes.

## Comments:

1. Use MEA (Measurements) segment to define dimensions, tolerances weights, counts, physical restrictions, etc.
2. If PKG01 = ``F", then PKG05 is used. If PKG01 = ``S", then PKG04 is used. If PKG01 = ``X", then both PKG04 and PKG05 are used.
3. Use PKG03 to indicate the organization that publishes the code list being referred to.

4. Special marking or tagging data can be given in PKG05 (Description).

# PO4 Item Physical Details

Pos: 090	Max: 1
Detail - Optional	
Loop: PO1	Elements: 13

**User Option (Usage):** Used

To specify the physical qualities, packaging, weights and dimensions relating to the 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>
PO401	356	<b>Pack</b> <b>Description:</b> Number of inner pack units per outer pack unit.	O	N0	1/6	Used
PO402	357	<b>Size</b> <b>Description:</b> Size of supplier units in pack.	O	R	1/8	Used
PO403	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PO404	103	<b>Packaging Code</b> <b>Description:</b> Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material. <b>All valid standard codes are used.</b>	O	AN	5/5	Used
PO405	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
PO406	384	<b>Gross Weight per Pack</b> <b>Description:</b> Numeric value of gross weight per pack.	X	R	1/9	Used
PO407	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PO408	385	<b>Gross Volume per Pack</b> <b>Description:</b> Numeric value of gross volume per pack.	X	R	1/9	Used
PO409	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PO410	82	<b>Length</b> <b>Description:</b> Largest horizontal dimension of an object measured when the object is in the upright position.	O	R	1/8	Used
PO411	189	<b>Width</b> <b>Description:</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position.	O	R	1/8	Used
PO412	65	<b>Height</b>	O	R	1/8	Used

		<b>Description:</b> Vertical dimension of an object measured when the object is in the upright position.				
PO413	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used.</b>				

### Syntax Rules:

1. C0203 - If PO402 is present, then PO403 is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. C0607 - If PO406 is present, then PO407 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.

### Comments:

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

# REF Reference Numbers

Pos: 100	Max: 12
Detail - Optional	
Loop: PO1	Elements: 3

**User Option (Usage):** Used

To specify identifying numbers.

## 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	<b>Reference Number Qualifier</b> <b>Description:</b> Code qualifying the Reference Number. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
REF02	127	<b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X	AN	1/30	Used
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

## Syntax Rules:

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

# PER Administrative Communications Contact

Pos: 110	Max: 3
Detail - Optional	
Loop: PO1	Elements: 6

User Option (Usage): Used

To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
PER02	93	<b>Name</b> <b>Description:</b> Free-form name.	O	AN	1/35	Used
PER03	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PER04	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	X	AN	1/25	Used
PER05	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PER06	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	X	AN	1/25	Used

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.

# SSS Special Services

Pos: 120	Max: 25
Detail - Optional	
Loop: PO1	Elements: 9

**User Option (Usage):** Used

To specify special conditions or services associated with the purchased product

## 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>
SSS01	248	<b>Allowance or Charge Indicator</b> <b>Description:</b> Code which indicates an allowance or charge for the service specified. <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
SSS02	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
SSS03	560	<b>Special Services Code</b> <b>Description:</b> Code identifying the special service. <b>All valid standard codes are used.</b>	M	ID	2/10	Must use
SSS04	561	<b>Service Marks and Numbers</b> <b>Description:</b> Data used to identify the performance of the service specified by Special Services Code (560).	O	AN	1/45	Used
SSS05	359	<b>Allowance or Charge Rate</b> <b>Description:</b> Allowance or Charge Rate per Unit.	O	R	1/9	Used
SSS06	360	<b>Allowance or Charge Total Amount</b> <b>Description:</b> Total dollar amount for the allowance or charge.	O	N2	1/9	Used
SSS07	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
SSS08	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	O	R	1/15	Used
SSS09	822	<b>Source Subqualifier</b> <b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier.	O	AN	1/15	Used

## Comments:

1. SSS02 identifies the source of the code value in SSS03.
2. SSS07 (Description) is normally used to clarify/expand on the services to be provided.
3. SSS09 specifies the individual code list of the agency specified in SSS02.

# ITA Allowance, Charge or Service

Pos: 130	Max: 10
Detail - Optional	
Loop: PO1	Elements: 16

User Option (Usage): Used

To specify allowances, charges or services

## 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>
ITA01	248	<b>Allowance or Charge Indicator</b> <b>Description:</b> Code which indicates an allowance or charge for the service specified. <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
ITA02	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
ITA03	560	<b>Special Services Code</b> <b>Description:</b> Code identifying the special service. <b>All valid standard codes are used.</b>	X	ID	2/10	Used
ITA04	331	<b>Allowance or Charge Method of Handling Code</b> <b>Description:</b> Code indicating method of handling for an allowance or charge. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ITA05	341	<b>Allowance or Charge Number</b> <b>Description:</b> The number assigned by a vendor referencing an allowance, promotion, deal or charge.	O	AN	1/16	Used
ITA06	359	<b>Allowance or Charge Rate</b> <b>Description:</b> Allowance or Charge Rate per Unit.	O	R	1/9	Used
ITA07	360	<b>Allowance or Charge Total Amount</b> <b>Description:</b> Total dollar amount for the allowance or charge.	O	N2	1/9	Used
ITA08	378	<b>Allowance/ Charge Percent Qualifier</b> <b>Description:</b> Code indicating on what basis allowance or charge percent is calculated. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
ITA09	332	<b>Allowance or Charge Percent</b> <b>Description:</b> Allowance or charge expressed as a percent.	X	R	1/6	Used
ITA10	339	<b>Allowance or Charge Quantity</b> <b>Description:</b> Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity.	O	R	1/10	Used
ITA11	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used

ITA12	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	O	R	1/15	Used
ITA13	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used
ITA14	150	<b>Special Charge or Allowance Code</b> <b>Description:</b> Code identifying type of special charge or allowance. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
ITA15	822	<b>Source Subqualifier</b> <b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier.	O	AN	1/15	Used
ITA16	662	<b>Price Relationship Code</b> <b>Description:</b> Code indicating the relationship of the price or amount to the associated segment. <b>All valid standard codes are used.</b>	O	ID	1/1	Used

### Syntax Rules:

1. L02031314 - If ITA02 is present, then at least one of ITA03, ITA13 or ITA14 is required.
2. C0809 - If ITA08 is present, then ITA09 is required.
3. C1011 - If ITA10 is present, then ITA11 is required.
4. C1502 - If ITA15 is present, then ITA02 is required.

### Semantics:

1. ITA12 is the quantity of free goods.

### Comments:

1. If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2. ITA02 identifies the source of the code value in ITA03 or ITA14.
3. If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4. ITA13 is used to clarify the allowance, charge or service.
5. ITA15 specifies the individual code list of the agency specified in ITA02.
6. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

# IT8 Conditions of Sale

Pos: 140	Max: 1
Detail - Optional	
Loop: PO1	Elements: 27

**User Option (Usage):** Used

To specify general conditions or requirements and to detail conditions for substitution of alternate products

## 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>
IT801	563	<b>Sales Requirement Code</b> <b>Description:</b> Code to identify a specific requirement or agreement of sale <b>All valid standard codes are used.</b>	X	ID	1/2	Used
IT802	564	<b>Do-Not-Exceed Action Code</b> <b>Description:</b> Code indicating the action to be taken if the order amount exceeds the value of Do-Not-Exceed Amount (565). <b>All valid standard codes are used.</b>	X	ID	1/1	Used
IT803	565	<b>Do-Not-Exceed Amount</b> <b>Description:</b> Maximum monetary amount value which the order must not exceed.	X	N2	2/9	Used
IT804	508	<b>Account Number</b> <b>Description:</b> Account number assigned.	O	AN	1/35	Used
IT805	596	<b>Required Invoice Date</b> <b>Description:</b> Date specified by the sender to be shown on the invoice.	X	DT	6/6	Used
IT806	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
IT807	566	<b>Product/Service Substitution Code</b> <b>Description:</b> Code indicating product or service substitution conditions. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
IT808	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
IT809	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
IT810	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
IT811	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
IT812	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in	O	ID	2/2	Used

		Product/Service ID (234). <b>All valid standard codes are used.</b>				
IT813	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
IT814	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
IT815	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
IT816	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
IT817	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
IT818	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
IT819	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
IT820	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
IT821	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
IT822	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
IT823	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
IT824	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
IT825	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
IT826	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
IT827	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product	X	AN	1/30	Used

or service.

**Syntax Rules:**

1. R0102030507 - At least one of IT801, IT802, IT803, IT805 or IT807 is required.
2. C0809 - If IT808 is present, then IT809 is required.
3. C1011 - If IT810 is present, then IT811 is required.
4. C1213 - If IT812 is present, then IT813 is required.
5. C1415 - If IT814 is present, then IT815 is required.
6. C1617 - If IT816 is present, then IT817 is required.
7. C1819 - If IT818 is present, then IT819 is required.
8. C2021 - If IT820 is present, then IT821 is required.
9. C2223 - If IT822 is present, then IT823 is required.
10. C2425 - If IT824 is present, then IT825 is required.
11. C2627 - If IT826 is present, then IT827 is required.

**Semantics:**

1. IT804 is the account number to which the purchase amount is to be charged.

**Comments:**

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of ID's.
2. IT808 through IT827 provides for ten (10) different product/service ID's for each item. Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

**ITD**

# Terms of Sale/Deferred Terms of Sale

Pos: 150	Max: 2
Detail - Optional	
Loop: PO1	Elements: 15

**User Option (Usage):** Used

To specify terms of sale.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD01	336	<b>Terms Type Code</b> <b>Description:</b> Code identifying type of payment terms. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ITD02	333	<b>Terms Basis Date Code</b> <b>Description:</b> Code identifying the beginning of the terms period. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
ITD03	338	<b>Terms Discount Percent</b> <b>Description:</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date.	O	R	1/6	Used
ITD04	370	<b>Terms Discount Due Date</b> <b>Description:</b> Date payment is due if discount is to be earned.	X	DT	6/6	Used
ITD05	351	<b>Terms Discount Days Due</b> <b>Description:</b> Number of days in the terms discount period by which payment is due if terms discount is earned.	X	N0	1/3	Used
ITD06	446	<b>Terms Net Due Date</b> <b>Description:</b> Date when total invoice amount becomes due.	O	DT	6/6	Used
ITD07	386	<b>Terms Net Days</b> <b>Description:</b> Number of days until total invoice amount is due (discount not applicable).	O	N0	1/3	Used
ITD08	362	<b>Terms Discount Amount</b> <b>Description:</b> Total amount of terms discount.	O	N2	1/10	Used
ITD09	388	<b>Terms Deferred Due Date</b> <b>Description:</b> Date deferred payment or percent of invoice payable is due.	O	DT	6/6	Used
ITD10	389	<b>Deferred Amount Due</b> <b>Description:</b> Deferred amount due for payment.	X	N2	1/10	Used
ITD11	342	<b>Percent of Invoice Payable</b> <b>Description:</b> Amount of invoice payable expressed in percent.	X	R	1/5	Used
ITD12	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
ITD13	765	<b>Day of Month</b>	X	N0	1/2	Used

		<b>Description:</b> The numeric value of the day of the month between 1 and the maximum day of the month being referenced.				
ITD14	107	<b>Payment Method Code</b> <b>Description:</b> Code identifying type of payment procedures. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
ITD15	954	<b>Percent</b> <b>Description:</b> Percentage expressed as a decimal	O	R	1/10	Used

**Syntax Rules:**

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

**Semantics:**

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

**Comments:**

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

# DIS Discount Detail

Pos: 160	Max: 20
Detail - Optional	
Loop: PO1	Elements: 6

**User Option (Usage):** Used

To specify the exact type and terms of various discount 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>
DIS01	653	<b>Discount Terms Type Code</b> <b>Description:</b> Code to define the units in which the discount will be determined, i.e., dollars, case, truckload, etc. <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
DIS02	654	<b>Discount Base Qualifier</b> <b>Description:</b> Code to define unit of discount, i.e., dollars, cases, alternate products, etc. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
DIS03	655	<b>Discount Base Value</b> <b>Description:</b> A multiplier amount used in conjunction with discount base qualifier to determine the value of the discount.	M	R	1/10	Must use
DIS04	656	<b>Discount Control Limit Qualifier</b> <b>Description:</b> Code to define the units of the limits for determining discount. <b>All valid standard codes are used.</b>	M	ID	2/3	Must use
DIS05	657	<b>Lower Discount Control Limit</b> <b>Description:</b> Amount or time minimum for application of the discount.	M	NO	1/10	Must use
DIS06	658	<b>Upper Discount Control Limit</b> <b>Description:</b> Amount or time maximum for application of the discount.	O	NO	1/10	Used

# INC Installment Information

Pos: 165	Max: 1
Detail - Optional	
Loop: PO1	Elements: 5

**User Option (Usage):** Used

To specify installment billing arrangement

## 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>
INC01	336	<b>Terms Type Code</b> <b>Description:</b> Code identifying type of payment terms. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
INC02	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
INC03	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	M	R	1/15	Must use
INC04	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	M	R	1/15	Must use
INC05	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount.	O	R	1/15	Used

## Semantics:

1. INC02 is the installment period (e.g., months).
2. INC03 is the total number of installments.
3. INC04 is the number of the current installment.
4. INC05 is the installment balance after the current installment is applied.

# TAX Tax Reference

Pos: 170	Max: 3
Detail - Optional	
Loop: PO1	Elements: 12

User Option (Usage): Used

To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the 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>
TAX01	325	<b>Tax Identification Number</b> <b>Description:</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.), often called a tax exemption number or certificate number.	X	AN	1/20	Used
TAX02	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TAX03	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TAX04	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TAX05	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TAX06	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TAX07	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TAX08	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TAX09	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TAX10	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TAX11	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TAX12	441	<b>Tax Exempt Code</b> <b>Description:</b> Code identifying exemption status from sales and use tax.	O	ID	1/1	Used

**All valid standard codes are used.**

**Syntax Rules:**

1. R0103 - At least one of TAX01 or TAX03 is required.
2. P0203 - If either TAX02 or TAX03 is present, then the other is required.
3. P0405 - If either TAX04 or TAX05 is present, then the other is required.
4. P0607 - If either TAX06 or TAX07 is present, then the other is required.
5. P0809 - If either TAX08 or TAX09 is present, then the other is required.
6. P1011 - If either TAX10 or TAX11 is present, then the other is required.

**Comments:**

1. Tax ID number is, in many instances, referred to as a "Tax Exemption Number." The paired (combined) use of data elements 309 and 310 provides for the designation of five (5) taxing jurisdictions.
2. TAX01 is required if tax exemption is being claimed.

# FOB F.O.B. Related Instructions

Pos: 180	Max: 1
Detail - Optional	
Loop: PO1	Elements: 9

**User Option (Usage):** Used

To specify transportation instructions relating to shipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FOB01	146	<b>Shipment Method of Payment</b> <b>Description:</b> Code identifying payment terms for transportation charges. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
FOB02	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
FOB03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
FOB04	334	<b>Transportation Terms Qualifier Code</b> <b>Description:</b> Code identifying the source of the transportation terms. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
FOB05	335	<b>Transportation Terms Code</b> <b>Description:</b> Code identifying the trade terms which apply to the shipment transportation responsibility. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
FOB06	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
FOB07	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
FOB08	54	<b>Risk of Loss Qualifier</b> <b>Description:</b> Code specifying where responsibility for risk of loss passes. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
FOB09	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

## Syntax Rules:

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

**Semantics:**

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

# SDQ Destination Quantity

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

**User Option (Usage):** Used

To specify destination and quantity detail.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ01	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
SDQ02	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used.</b>	O	ID	1/2	Used
SDQ03	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	M	AN	2/17	Must use
SDQ04	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	M	R	1/15	Must use
SDQ05	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	O	AN	2/17	Used
SDQ06	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	X	R	1/15	Used
SDQ07	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	O	AN	2/17	Used
SDQ08	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	X	R	1/15	Used
SDQ09	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	O	AN	2/17	Used
SDQ10	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	X	R	1/15	Used
SDQ11	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	O	AN	2/17	Used
SDQ12	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	X	R	1/15	Used
SDQ13	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	O	AN	2/17	Used
SDQ14	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	X	R	1/15	Used
SDQ15	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	O	AN	2/17	Used

SDQ16	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	X	R	1/15	Used
SDQ17	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	O	AN	2/17	Used
SDQ18	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	X	R	1/15	Used
SDQ19	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	O	AN	2/17	Used
SDQ20	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	X	R	1/15	Used
SDQ21	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	O	AN	2/17	Used
SDQ22	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	X	R	1/15	Used

### Syntax Rules:

1. C0506 - If SDQ05 is present, then SDQ06 is required.
2. C0708 - If SDQ07 is present, then SDQ08 is required.
3. C0910 - If SDQ09 is present, then SDQ10 is required.
4. C1112 - If SDQ11 is present, then SDQ12 is required.
5. C1314 - If SDQ13 is present, then SDQ14 is required.
6. C1516 - If SDQ15 is present, then SDQ16 is required.
7. C1718 - If SDQ17 is present, then SDQ18 is required.
8. C1920 - If SDQ19 is present, then SDQ20 is required.
9. C2122 - If SDQ21 is present, then SDQ22 is required.

### Comments:

1. SDQ02 is used only if different than previously defined in the transaction set.

# DTM Date/Time Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: PO1	Elements: 5

**User Option (Usage):** Used

To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
DTM02	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	X	DT	6/6	Used
DTM03	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	X	TM	4/6	Used
DTM04	623	<b>Time Code</b> <b>Description:</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
DTM05	624	<b>Century</b> <b>Description:</b> The first two characters in the designation of the year (CCYY).	O	NO	2/2	Used

## Syntax Rules:

1. R0203 - At least one of DTM02 or DTM03 is required.

# LDT Lead Time

Pos: 210	Max: 12
Detail - Optional	
Loop: PO1	Elements: 4

**User Option (Usage):** Used

To specify lead time for availability of products and services.

## 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>
LDT01	345	<b>Lead Time Code</b> <b>Description:</b> Code indicating the time range. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
LDT02	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	M	R	1/15	Must use
LDT03	344	<b>Unit of Time Period or Interval</b> <b>Description:</b> Code indicating the time period or interval <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
LDT04	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used

## Semantics:

1. LDT04 is the effective date of lead time information.

# SCH Line Item Schedule

Pos: 220	Max: 200
Detail - Optional	
Loop: PO1	Elements: 11

**User Option (Usage):** Used

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	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	M	R	1/15	Must use
SCH02	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
SCH03	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used.</b>	O	ID	2/2	Used
SCH04	93	<b>Name</b> <b>Description:</b> Free-form name.	X	AN	1/35	Used
SCH05	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
SCH06	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	M	DT	6/6	Must use
SCH07	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used
SCH08	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
SCH09	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
SCH10	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used
SCH11	326	<b>Request Reference Number</b> <b>Description:</b> 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).	O	AN	1/45	Used

## Syntax Rules:

1. C0304 - If SCH03 is present, then SCH04 is required.
2. C0908 - If SCH09 is present, then SCH08 is required.

**Comments:**

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

# TD1 Carrier Details (Quantity and Weight)

Pos: 230	Max: 1
Detail - Optional	
Loop: PO1	Elements: 8

User Option (Usage): Used

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	<b>Packaging Code</b> <b>Description:</b> Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material. <b>All valid standard codes are used.</b>	O	AN	5/5	Used
TD102	80	<b>Lading Quantity</b> <b>Description:</b> Number of units (pieces) of the lading commodity.	X	NO	1/7	Used
TD103	23	<b>Commodity Code Qualifier</b> <b>Description:</b> Code identifying the commodity coding system used for Commodity Code. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
TD104	22	<b>Commodity Code</b> <b>Description:</b> Code describing a commodity or group of commodities.	X	AN	1/16	Used
TD105	79	<b>Lading Description</b> <b>Description:</b> Description of an item as required for rating and billing purposes.	O	AN	1/50	Used
TD106	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD107	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	X	R	1/10	Used
TD108	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used

## Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0304 - If TD103 is present, then TD104 is required.
3. C060708 - If TD106 is present, then TD107 and TD108 are required.

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Detail - Optional	
Loop: PO1	Elements: 12

User Option (Usage): Used

To specify the carrier, sequence of routing and to provide transit time 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>
TD501	133	<b>Routing Sequence Code</b> <b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD502	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TD503	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	X	AN	2/17	Used
TD504	91	<b>Transportation Method/Type Code</b> <b>Description:</b> Code specifying the method or type of transportation for the shipment. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TD505	387	<b>Routing</b> <b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.	X	AN	1/35	Used
TD506	368	<b>Shipment/Order Status Code</b> <b>Description:</b> Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
TD507	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD508	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TD509	731	<b>Transit Direction Code</b> <b>Description:</b> The point of origin and point of direction. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
TD510	732	<b>Transit Time Direction Qualifier</b> <b>Description:</b> Code specifying the value of time used to measure the transit time. <b>All valid standard codes are used.</b>	O	ID	2/2	Used

TD511	733	<b>Transit Time</b> <b>Description:</b> The numeric amount of transit time.	X	R	1/4	Used
TD512	284	<b>Service Level Code</b> <b>Description:</b> Code defining service <b>All valid standard codes are used.</b>	X	ID	2/2	Used

**Syntax Rules:**

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.

**Comments:**

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

# TD3 Carrier Details (Equipment)

Pos: 250	Max: 12
Detail - Optional	
Loop: PO1	Elements: 9

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD301	40	<b>Equipment Description Code</b> <b>Description:</b> Code identifying type of equipment used for shipment. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
TD302	206	<b>Equipment Initial</b> <b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number.	O	AN	1/4	Used
TD303	207	<b>Equipment Number</b> <b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).	X	AN	1/10	Used
TD304	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD305	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	X	R	1/10	Used
TD306	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
TD307	102	<b>Ownership Code</b> <b>Description:</b> Code indicating the relationship of equipment to carrier. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
TD308	407	<b>Seal Status Code</b> <b>Description:</b> Code indicating condition of door seal upon arrival. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
TD309	225	<b>Seal Number</b> <b>Description:</b> Unique number on seal used to close a shipment.	O	AN	2/15	Used

## Syntax Rules:

1. C0203 - If TD302 is present, then TD303 is required.
2. C040506 - If TD304 is present, then TD305 and TD306 are required.

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

Pos: 260	Max: 5
Detail - Optional	
Loop: PO1	Elements: 4

User Option (Usage): Used

To specify transportation special handling requirements or hazardous materials information or both

### 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>
TD401	152	<b>Special Handling Code</b> <b>Description:</b> Code specifying special transportation handling instructions. <b>All valid standard codes are used.</b>	X	ID	2/3	Used
TD402	208	<b>Hazardous Material Code Qualifier</b> <b>Description:</b> Code which qualifies the Hazardous Material Class Code (209). <b>All valid standard codes are used.</b>	X	ID	1/1	Used
TD403	209	<b>Hazardous Material Class Code</b> <b>Description:</b> Code specifying the kind of hazard for a material.	X	AN	2/4	Used
TD404	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

### Syntax Rules:

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

# Loop ACK

Pos: 270	Repeat: 104
Optional	
Loop: ACK	Elements: N/A

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

## 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>
270	ACK	Line Item Acknowledgment	O	1		Used
280	DTM	Date/Time Reference	O	1		Used

# ACK Line Item Acknowledgment

Pos: 270	Max: 1
Detail - Optional	
Loop: ACK	Elements: 29

**User Option (Usage):** Used

To acknowledge the ordered quantities and specify the ready date for 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>
ACK01	668	<b>Line Item Status Code</b> <b>Description:</b> Code specifying the action taken by the seller on a line item requested by the buyer. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ACK02	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	O	R	1/15	Used
ACK03	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
ACK04	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	O	ID	3/3	Used
ACK05	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	X	DT	6/6	Used
ACK06	326	<b>Request Reference Number</b> <b>Description:</b> 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).	O	AN	1/45	Used
ACK07	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK08	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK09	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK10	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK11	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2	Used

ACK12	234	<b>All valid standard codes are used.</b> <b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK13	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK14	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK15	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK16	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK17	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK18	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK19	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK20	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK21	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK22	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK23	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK24	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK25	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK26	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used

ACK27	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
ACK28	822	<b>Source Subqualifier</b> <b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier.	X	AN	1/15	Used
ACK29	1271	<b>Industry Code</b> <b>Description:</b> Code indicating a code from a specific industry code list	X	AN	1/20	Used

### Syntax Rules:

1. C0203 - If ACK02 is present, then ACK03 is required.
2. C0405 - If ACK04 is present, then ACK05 is required.
3. C0708 - If ACK07 is present, then ACK08 is required.
4. C0910 - If ACK09 is present, then ACK10 is required.
5. C1112 - If ACK11 is present, then ACK12 is required.
6. C1314 - If ACK13 is present, then ACK14 is required.
7. C1516 - If ACK15 is present, then ACK16 is required.
8. C1718 - If ACK17 is present, then ACK18 is required.
9. C1920 - If ACK19 is present, then ACK20 is required.
10. C2122 - If ACK21 is present, then ACK22 is required.
11. C2324 - If ACK23 is present, then ACK24 is required.
12. C2526 - If ACK25 is present, then ACK26 is required.
13. P2728 - If either ACK27 or ACK28 is present, then the other is required.
14. C282729 - If ACK28 is present, then ACK27 and ACK29 are required.

### Semantics:

1. ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

# DTM Date/Time Reference

Pos: 280	Max: 1
Detail - Optional	
Loop: ACK	Elements: 5

**User Option (Usage):** Used

To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
DTM02	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	X	DT	6/6	Used
DTM03	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	X	TM	4/6	Used
DTM04	623	<b>Time Code</b> <b>Description:</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
DTM05	624	<b>Century</b> <b>Description:</b> The first two characters in the designation of the year (CCYY).	O	N0	2/2	Used

## Syntax Rules:

1. R0203 - At least one of DTM02 or DTM03 is required.

# MAN Marks and Numbers

Pos: 290	Max: 10
Detail - Optional	
Loop: PO1	Elements: 2

**User Option (Usage):** Used

To indicate identifying marks and numbers for shipping containers

## 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>
MAN01	88	<b>Marks and Numbers Qualifier</b> <b>Description:</b> Code specifying the application or source of Marks and Numbers (87). <b>All valid standard codes are used.</b>	M	ID	1/2	Must use
MAN02	87	<b>Marks and Numbers</b> <b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment.	M	AN	1/45	Must use

# AMT Monetary Amount

Pos: 300	Max: 1
Detail - Optional	
Loop: PO1	Elements: 2

**User Option (Usage):** Used

To indicate the total monetary amount.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT01	522	<b>Amount Qualifier Code</b> Description: Code to qualify amount All valid standard codes are used.	M	ID	1/2	Must use
AMT02	782	<b>Monetary Amount</b> Description: Monetary amount.	M	R	1/15	Must use

# Loop N9

Pos: 350	Repeat: 1000
	Optional
Loop: N9	Elements: N/A

To transmit identifying numbers and descriptive information as specified by the reference number qualifier

## 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>
350	N9	Reference Number	O	1		Used
360	MSG	Message Text	O	1000		Used

**N9****Reference Number**

Pos: 350	Max: 1
Detail - Optional	
Loop: N9	Elements: 5

**User Option (Usage):** Used

To transmit identifying numbers and descriptive information as specified by the reference number qualifier

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	<b>Reference Number Qualifier</b> <b>Description:</b> Code qualifying the Reference Number. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
N902	127	<b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X	AN	1/30	Used
N903	369	<b>Free-form Description</b> <b>Description:</b> Free-form descriptive text.	X	AN	1/45	Used
N904	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
N905	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6	Used

**Syntax Rules:**

1. R0203 - At least one of N902 or N903 is required.

# MSG Message Text

Pos: 360	Max: 1000
Detail - Optional	
Loop: N9	Elements: 2

**User Option (Usage):** Used

To provide a free form format that would allow the transmission of text 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>
MSG01	933	<b>Free-Form Message Text</b> <b>Description:</b> Free-form message text.	M	AN	1/264	Must use
MSG02	934	<b>Printer Carriage Control Code</b> <b>Description:</b> A field to be used for the control of the line feed of the receiving printer. <b>All valid standard codes are used.</b>	O	ID	2/2	Used

## Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

# Loop N1

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

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	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	Real Estate Property ID Component	O	3		Used
410	REF	Reference Numbers	O	12		Used
420	PER	Administrative Communications Contact	O	3		Used
430	FOB	F.O.B. Related Instructions	O	1		Used
440	TD1	Carrier Details (Quantity and Weight)	O	2		Used
450	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Used
460	TD3	Carrier Details (Equipment)	O	12		Used
470	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5		Used
480	PKG	Marking, Packaging, Loading	O	25		Used

**N1****Name**

Pos: 370	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
N102	93	<b>Name</b> <b>Description:</b> Free-form name.	X	AN	1/35	Used
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used.</b>	X	ID	1/2	Used
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	X	AN	2/17	Used

**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.

# N2

## Additional Name Information

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

**User Option (Usage):** Used

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	<b>Name</b> Description: Free-form name.	M	AN	1/35	Must use
N202	93	<b>Name</b> Description: Free-form name.	O	AN	1/35	Used

# N3 Address Information

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

**User Option (Usage):** Used

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	<b>Address Information</b> Description: Address information	M	AN	1/35	Must use
N302	166	<b>Address Information</b> Description: Address information	O	AN	1/35	Used

# N4 Geographic Location

Pos: 400	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

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	<b>City Name</b> <b>Description:</b> Free-form text for city name.	X	AN	2/30	Used
N402	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency.	O	ID	2/2	Used
N403	116	<b>Postal Code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O	ID	3/9	Used
N404	26	<b>Country Code</b> <b>Description:</b> Code identifying the country.	O	ID	2/3	Used
N405	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
N406	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used

## Syntax Rules:

1. R0105 - At least one of N401 or N405 is required.
2. P0506 - If either N405 or N406 is present, then the other 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 USA or Canada.

# NX2 Real Estate Property ID Component

Pos: 405	Max: 3
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

To define types and values for geographic location of real estate property

## 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>
NX201	1106	<b>Address Component Qualifier</b> <b>Description:</b> Code qualifying the type of address component. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
NX202	166	<b>Address Information</b> <b>Description:</b> Address information	M	AN	1/35	Must use

## Semantics:

1. NX201 defines the type of address component.
2. NX202 defines the address component identified in NX201.

# REF Reference Numbers

Pos: 410	Max: 12
Detail - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

To specify identifying numbers.

## 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	<b>Reference Number Qualifier</b> <b>Description:</b> Code qualifying the Reference Number. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
REF02	127	<b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X	AN	1/30	Used
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

## Syntax Rules:

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

# PER Administrative Communications Contact

Pos: 420	Max: 3
Detail - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
PER02	93	<b>Name</b> <b>Description:</b> Free-form name.	O	AN	1/35	Used
PER03	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PER04	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	X	AN	1/25	Used
PER05	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PER06	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	X	AN	1/25	Used

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.

# FOB F.O.B. Related Instructions

Pos: 430	Max: 1
Detail - Optional	
Loop: N1	Elements: 9

**User Option (Usage):** Used

To specify transportation instructions relating to shipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FOB01	146	<b>Shipment Method of Payment</b> <b>Description:</b> Code identifying payment terms for transportation charges. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
FOB02	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
FOB03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
FOB04	334	<b>Transportation Terms Qualifier Code</b> <b>Description:</b> Code identifying the source of the transportation terms. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
FOB05	335	<b>Transportation Terms Code</b> <b>Description:</b> Code identifying the trade terms which apply to the shipment transportation responsibility. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
FOB06	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
FOB07	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used
FOB08	54	<b>Risk of Loss Qualifier</b> <b>Description:</b> Code specifying where responsibility for risk of loss passes. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
FOB09	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

## Syntax Rules:

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

**Semantics:**

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

# TD1 Carrier Details (Quantity and Weight)

Pos: 440	Max: 2
Detail - Optional	
Loop: N1	Elements: 8

User Option (Usage): Used

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	<b>Packaging Code</b> <b>Description:</b> Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material. <b>All valid standard codes are used.</b>	O	AN	5/5	Used
TD102	80	<b>Lading Quantity</b> <b>Description:</b> Number of units (pieces) of the lading commodity.	X	NO	1/7	Used
TD103	23	<b>Commodity Code Qualifier</b> <b>Description:</b> Code identifying the commodity coding system used for Commodity Code. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
TD104	22	<b>Commodity Code</b> <b>Description:</b> Code describing a commodity or group of commodities.	X	AN	1/16	Used
TD105	79	<b>Lading Description</b> <b>Description:</b> Description of an item as required for rating and billing purposes.	O	AN	1/50	Used
TD106	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD107	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	X	R	1/10	Used
TD108	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used

## Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0304 - If TD103 is present, then TD104 is required.
3. C060708 - If TD106 is present, then TD107 and TD108 are required.

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 450	Max: 12
Detail - Optional	
Loop: N1	Elements: 12

User Option (Usage): Used

To specify the carrier, sequence of routing and to provide transit time 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>
TD501	133	<b>Routing Sequence Code</b> <b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD502	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TD503	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	X	AN	2/17	Used
TD504	91	<b>Transportation Method/Type Code</b> <b>Description:</b> Code specifying the method or type of transportation for the shipment. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
TD505	387	<b>Routing</b> <b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.	X	AN	1/35	Used
TD506	368	<b>Shipment/Order Status Code</b> <b>Description:</b> Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
TD507	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD508	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used
TD509	731	<b>Transit Direction Code</b> <b>Description:</b> The point of origin and point of direction. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
TD510	732	<b>Transit Time Direction Qualifier</b> <b>Description:</b> Code specifying the value of time used to measure the transit time. <b>All valid standard codes are used.</b>	O	ID	2/2	Used

TD511	733	<b>Transit Time</b> <b>Description:</b> The numeric amount of transit time.	X	R	1/4	Used
TD512	284	<b>Service Level Code</b> <b>Description:</b> Code defining service <b>All valid standard codes are used.</b>	X	ID	2/2	Used

**Syntax Rules:**

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.

**Comments:**

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

# TD3 Carrier Details (Equipment)

Pos: 460	Max: 12
Detail - Optional	
Loop: N1	Elements: 9

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD301	40	<b>Equipment Description Code</b> <b>Description:</b> Code identifying type of equipment used for shipment. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
TD302	206	<b>Equipment Initial</b> <b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number.	O	AN	1/4	Used
TD303	207	<b>Equipment Number</b> <b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).	X	AN	1/10	Used
TD304	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight. <b>All valid standard codes are used.</b>	O	ID	1/2	Used
TD305	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	X	R	1/10	Used
TD306	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
TD307	102	<b>Ownership Code</b> <b>Description:</b> Code indicating the relationship of equipment to carrier. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
TD308	407	<b>Seal Status Code</b> <b>Description:</b> Code indicating condition of door seal upon arrival. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
TD309	225	<b>Seal Number</b> <b>Description:</b> Unique number on seal used to close a shipment.	O	AN	2/15	Used

## Syntax Rules:

1. C0203 - If TD302 is present, then TD303 is required.
2. C040506 - If TD304 is present, then TD305 and TD306 are required.

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

Pos: 470	Max: 5
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

To specify transportation special handling requirements or hazardous materials information or both

### 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>
TD401	152	<b>Special Handling Code</b> <b>Description:</b> Code specifying special transportation handling instructions. <b>All valid standard codes are used.</b>	X	ID	2/3	Used
TD402	208	<b>Hazardous Material Code Qualifier</b> <b>Description:</b> Code which qualifies the Hazardous Material Class Code (209). <b>All valid standard codes are used.</b>	X	ID	1/1	Used
TD403	209	<b>Hazardous Material Class Code</b> <b>Description:</b> Code specifying the kind of hazard for a material.	X	AN	2/4	Used
TD404	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

### Syntax Rules:

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

# PKG Marking, Packaging, Loading

Pos: 480	Max: 25
Detail - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

To describe marking, packaging, loading and unloading requirements.

## 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>
PKG01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description. <b>All valid standard codes are used.</b>	X	ID	1/1	Used
PKG02	753	<b>Packaging Characteristic Code</b> <b>Description:</b> Code specifying the marking, packaging, loading and related characteristics being described. <b>All valid standard codes are used.</b>	O	ID	1/5	Used
PKG03	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PKG04	754	<b>Packaging Description Code</b> <b>Description:</b> A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product.	X	AN	1/7	Used
PKG05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used
PKG06	400	<b>Unit Load Option Code</b> <b>Description:</b> Code identifying loading or unloading a shipment <b>All valid standard codes are used.</b>	O	ID	2/2	Used

## Syntax Rules:

1. R040506 - At least one of PKG04, PKG05 or PKG06 is required.
2. C0401 - If PKG04 is present, then PKG01 is required.
3. C0501 - If PKG05 is present, then PKG01 is required.

## Semantics:

1. PKG04 should be used for industry-specific packaging description codes.

## Comments:

1. Use MEA (Measurements) segment to define dimensions, tolerances weights, counts, physical restrictions, etc.
2. If PKG01 = ``F", then PKG05 is used. If PKG01 = ``S", then PKG04 is used. If PKG01 = ``X", then both PKG04 and PKG05 are used.
3. Use PKG03 to indicate the organization that publishes the code list being referred to.

4. Special marking or tagging data can be given in PKG05 (Description).

# Loop SLN

Pos: 490	Repeat: 1000
Optional	
Loop: SLN	Elements: N/A

To specify product subline detail item data

## 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>
490	SLN	Subline Item Detail	O	1		Used
500	SI	Service Characteristic Identification	O	5		Used
510	PID	Product/Item Description	O	1000		Used
520	PO3	Additional Item Detail	O	25		Used
530	ACK	Line Item Acknowledgment	O	104		Used
540	ITA	Allowance, Charge or Service	O	10		Used
550	DTM	Date/Time Reference	O	10		Used
560		Loop N1	O		10	Used

# SLN Subline Item Detail

Pos: 490	Max: 1
Detail - Optional	
Loop: SLN	Elements: 28

**User Option (Usage):** Used

To specify product subline detail 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>
SLN01	350	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set.	M	AN	1/11	Must use
SLN02	350	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set.	O	AN	1/11	Used
SLN03	661	<b>Configuration Code</b> <b>Description:</b> Code indicating the relationship of the subline item to the baseline item. <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
SLN04	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	M	R	1/15	Must use
SLN05	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
SLN06	212	<b>Unit Price</b> <b>Description:</b> Price per unit of product, service, commodity, etc.	X	R	1/14	Used
SLN07	639	<b>Basis of Unit Price Code</b> <b>Description:</b> Code identifying the type of unit price for an item. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
SLN08	662	<b>Price Relationship Code</b> <b>Description:</b> Code indicating the relationship of the price or amount to the associated segment. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
SLN09	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
SLN10	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SLN11	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used

SLN12	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SLN13	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
SLN14	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SLN15	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
SLN16	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SLN17	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
SLN18	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SLN19	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
SLN20	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SLN21	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
SLN22	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SLN23	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
SLN24	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SLN25	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
SLN26	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SLN27	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used

SLN28	234	<p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).  <b>All valid standard codes are used.</b></p> <p><b>Product/Service ID</b></p> <p><b>Description:</b> Identifying number for a product or service.</p>	X	AN	1/30	Used
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### Syntax Rules:

1. C0706 - If SLN07 is present, then SLN06 is required.
2. C0806 - If SLN08 is present, then SLN06 is required.
3. C0910 - If SLN09 is present, then SLN10 is required.
4. C1112 - If SLN11 is present, then SLN12 is required.
5. C1314 - If SLN13 is present, then SLN14 is required.
6. C1516 - If SLN15 is present, then SLN16 is required.
7. C1718 - If SLN17 is present, then SLN18 is required.
8. C1920 - If SLN19 is present, then SLN20 is required.
9. C2122 - If SLN21 is present, then SLN22 is required.
10. C2324 - If SLN23 is present, then SLN24 is required.
11. C2526 - If SLN25 is present, then SLN26 is required.
12. C2728 - If SLN27 is present, then SLN28 is required.

### Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

### Comments:

1. See the Data Dictionary for a complete list of ID's.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

# SI Service Characteristic Identification

Pos: 500	Max: 5
Detail - Optional	
Loop: SLN	Elements: 21

User Option (Usage): Used

To specify service characteristic 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>
SI01	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
SI02	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	M	ID	2/2	Must use
SI03	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	M	AN	1/30	Must use
SI04	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI05	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI06	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI07	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI08	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI09	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI10	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI11	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI12	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI13	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI14	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list	X	ID	2/2	Used

SI15	234	qualifying the type of service characteristics. <b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI16	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI17	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI18	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI19	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
SI20	1000	<b>Service Characteristics Qualifier</b> <b>Description:</b> Code from an industry code list qualifying the type of service characteristics.	X	ID	2/2	Used
SI21	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used

### Syntax Rules:

1. P0405 - If either SI04 or SI05 is present, then the other is required.
2. P0607 - If either SI06 or SI07 is present, then the other is required.
3. P0809 - If either SI08 or SI09 is present, then the other is required.
4. P1011 - If either SI10 or SI11 is present, then the other is required.
5. P1213 - If either SI12 or SI13 is present, then the other is required.
6. P1415 - If either SI14 or SI15 is present, then the other is required.
7. P1617 - If either SI16 or SI17 is present, then the other is required.
8. P1819 - If either SI18 or SI19 is present, then the other is required.
9. P2021 - If either SI20 or SI21 is present, then the other is required.

### Comments:

1. SI01 defines the source for each of the service characteristics qualifiers.

# PID Product/Item Description

Pos: 510	Max: 1000
Detail - Optional	
Loop: SLN	Elements: 8

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description. <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
PID02	750	<b>Product/Process Characteristic Code</b> <b>Description:</b> Code identifying the general class of a product or process characteristic <b>All valid standard codes are used.</b>	O	ID	2/3	Used
PID03	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PID04	751	<b>Product Description Code</b> <b>Description:</b> A code from an industry code list which provides specific data about a product characteristic.	X	AN	1/12	Used
PID05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used
PID06	752	<b>Surface/Layer/Position Code</b> <b>Description:</b> Code indicating the product surface, layer or position that is being described. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
PID07	822	<b>Source Subqualifier</b> <b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier.	O	AN	1/15	Used
PID08	1073	<b>Yes/No Condition or Response Code</b> <b>Description:</b> Code indicating a Yes or No condition or response. <b>All valid standard codes are used.</b>	O	ID	1/1	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. C0803 - If PID08 is present, then PID03 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. A "N" indicates it does not apply. Any other value is indeterminate.

**Comments:**

1. If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "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.

# PO3 Additional Item Detail

Pos: 520	Max: 25
Detail - Optional	
Loop: SLN	Elements: 8

**User Option (Usage):** Used

To specify additional item related data involving variations in normal price/quantity structure.

## 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>
PO301	371	<b>Change Reason Code</b> <b>Description:</b> Code specifying the reason for price or quantity change. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
PO302	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6	Used
PO303	236	<b>Price Identifier Code</b> <b>Description:</b> Code identifying pricing specification. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
PO304	212	<b>Unit Price</b> <b>Description:</b> Price per unit of product, service, commodity, etc.	O	R	1/14	Used
PO305	639	<b>Basis of Unit Price Code</b> <b>Description:</b> Code identifying the type of unit price for an item. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PO306	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	M	R	1/15	Must use
PO307	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
PO308	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used

## Syntax Rules:

1. L040305 - If PO304 is present, then at least one of PO303 or PO305 is required.

## Comments:

1. Some examples of price/quantity variations are: price in different units from the PO1 segment, price changes by date, or price changes by quantity (break and level).
2. PO307 defines the unit of measure for PO306.

# ACK Line Item Acknowledgment

Pos: 530	Max: 104
Detail - Optional	
Loop: SLN	Elements: 29

**User Option (Usage):** Used

To acknowledge the ordered quantities and specify the ready date for 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>
ACK01	668	<b>Line Item Status Code</b> <b>Description:</b> Code specifying the action taken by the seller on a line item requested by the buyer. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ACK02	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	O	R	1/15	Used
ACK03	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
ACK04	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	O	ID	3/3	Used
ACK05	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	X	DT	6/6	Used
ACK06	326	<b>Request Reference Number</b> <b>Description:</b> 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).	O	AN	1/45	Used
ACK07	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK08	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK09	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK10	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK11	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2	Used

ACK12	234	<b>All valid standard codes are used.</b> <b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK13	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK14	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK15	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK16	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK17	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK18	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK19	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK20	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK21	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK22	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK23	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK24	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used
ACK25	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	O	ID	2/2	Used
ACK26	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	X	AN	1/30	Used

ACK27	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
ACK28	822	<b>Source Subqualifier</b> <b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier.	X	AN	1/15	Used
ACK29	1271	<b>Industry Code</b> <b>Description:</b> Code indicating a code from a specific industry code list	X	AN	1/20	Used

### Syntax Rules:

1. C0203 - If ACK02 is present, then ACK03 is required.
2. C0405 - If ACK04 is present, then ACK05 is required.
3. C0708 - If ACK07 is present, then ACK08 is required.
4. C0910 - If ACK09 is present, then ACK10 is required.
5. C1112 - If ACK11 is present, then ACK12 is required.
6. C1314 - If ACK13 is present, then ACK14 is required.
7. C1516 - If ACK15 is present, then ACK16 is required.
8. C1718 - If ACK17 is present, then ACK18 is required.
9. C1920 - If ACK19 is present, then ACK20 is required.
10. C2122 - If ACK21 is present, then ACK22 is required.
11. C2324 - If ACK23 is present, then ACK24 is required.
12. C2526 - If ACK25 is present, then ACK26 is required.
13. P2728 - If either ACK27 or ACK28 is present, then the other is required.
14. C282729 - If ACK28 is present, then ACK27 and ACK29 are required.

### Semantics:

1. ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

# ITA Allowance, Charge or Service

Pos: 540	Max: 10
Detail - Optional	
Loop: SLN	Elements: 16

**User Option (Usage):** Used

To specify allowances, charges or services

## 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>
ITA01	248	<b>Allowance or Charge Indicator</b> <b>Description:</b> Code which indicates an allowance or charge for the service specified. <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
ITA02	559	<b>Agency Qualifier Code</b> <b>Description:</b> Code identifying the agency assigning the code values. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
ITA03	560	<b>Special Services Code</b> <b>Description:</b> Code identifying the special service. <b>All valid standard codes are used.</b>	X	ID	2/10	Used
ITA04	331	<b>Allowance or Charge Method of Handling Code</b> <b>Description:</b> Code indicating method of handling for an allowance or charge. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ITA05	341	<b>Allowance or Charge Number</b> <b>Description:</b> The number assigned by a vendor referencing an allowance, promotion, deal or charge.	O	AN	1/16	Used
ITA06	359	<b>Allowance or Charge Rate</b> <b>Description:</b> Allowance or Charge Rate per Unit.	O	R	1/9	Used
ITA07	360	<b>Allowance or Charge Total Amount</b> <b>Description:</b> Total dollar amount for the allowance or charge.	O	N2	1/9	Used
ITA08	378	<b>Allowance/ Charge Percent Qualifier</b> <b>Description:</b> Code indicating on what basis allowance or charge percent is calculated. <b>All valid standard codes are used.</b>	O	ID	1/1	Used
ITA09	332	<b>Allowance or Charge Percent</b> <b>Description:</b> Allowance or charge expressed as a percent.	X	R	1/6	Used
ITA10	339	<b>Allowance or Charge Quantity</b> <b>Description:</b> Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity.	O	R	1/10	Used
ITA11	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used

ITA12	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	O	R	1/15	Used
ITA13	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used
ITA14	150	<b>Special Charge or Allowance Code</b> <b>Description:</b> Code identifying type of special charge or allowance. <b>All valid standard codes are used.</b>	X	ID	3/3	Used
ITA15	822	<b>Source Subqualifier</b> <b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier.	O	AN	1/15	Used
ITA16	662	<b>Price Relationship Code</b> <b>Description:</b> Code indicating the relationship of the price or amount to the associated segment. <b>All valid standard codes are used.</b>	O	ID	1/1	Used

### Syntax Rules:

1. L02031314 - If ITA02 is present, then at least one of ITA03, ITA13 or ITA14 is required.
2. C0809 - If ITA08 is present, then ITA09 is required.
3. C1011 - If ITA10 is present, then ITA11 is required.
4. C1502 - If ITA15 is present, then ITA02 is required.

### Semantics:

1. ITA12 is the quantity of free goods.

### Comments:

1. If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2. ITA02 identifies the source of the code value in ITA03 or ITA14.
3. If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4. ITA13 is used to clarify the allowance, charge or service.
5. ITA15 specifies the individual code list of the agency specified in ITA02.
6. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

# DTM Date/Time Reference

Pos: 550	Max: 10
Detail - Optional	
Loop: SLN	Elements: 5

**User Option (Usage):** Used

To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
DTM02	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	X	DT	6/6	Used
DTM03	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	X	TM	4/6	Used
DTM04	623	<b>Time Code</b> <b>Description:</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow. <b>All valid standard codes are used.</b>	O	ID	2/2	Used
DTM05	624	<b>Century</b> <b>Description:</b> The first two characters in the designation of the year (CCYY).	O	NO	2/2	Used

## Syntax Rules:

1. R0203 - At least one of DTM02 or DTM03 is required.

# Loop N1

Pos: 560	Repeat: 10
	Optional
Loop: N1	Elements: N/A

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>
560	N1	Name	O	1		Used
570	N2	Additional Name Information	O	2		Used
580	N3	Address Information	O	2		Used
590	N4	Geographic Location	O	1		Used
600	NX2	Real Estate Property ID Component	O	3		Used
610	REF	Reference Numbers	O	12		Used
620	PER	Administrative Communications Contact	O	3		Used

**N1**

**Name**

<b>Pos: 560</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
N102	93	<b>Name</b> <b>Description:</b> Free-form name.	X	AN	1/35	Used
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>All valid standard codes are used.</b>	X	ID	1/2	Used
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	X	AN	2/17	Used

**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.

# N2

## Additional Name Information

Pos: 570	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

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	<b>Name</b> Description: Free-form name.	M	AN	1/35	Must use
N202	93	<b>Name</b> Description: Free-form name.	O	AN	1/35	Used

# N3 Address Information

Pos: 580	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

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	<b>Address Information</b> Description: Address information	M	AN	1/35	Must use
N302	166	<b>Address Information</b> Description: Address information	O	AN	1/35	Used

# N4 Geographic Location

Pos: 590	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

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	<b>City Name</b> <b>Description:</b> Free-form text for city name.	X	AN	2/30	Used
N402	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency.	O	ID	2/2	Used
N403	116	<b>Postal Code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O	ID	3/9	Used
N404	26	<b>Country Code</b> <b>Description:</b> Code identifying the country.	O	ID	2/3	Used
N405	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>All valid standard codes are used.</b>	X	ID	1/2	Used
N406	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location.	X	AN	1/25	Used

## Syntax Rules:

1. R0105 - At least one of N401 or N405 is required.
2. P0506 - If either N405 or N406 is present, then the other 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 USA or Canada.

# NX2 Real Estate Property ID Component

Pos: 600	Max: 3
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

To define types and values for geographic location of real estate property

## 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>
NX201	1106	<b>Address Component Qualifier</b> <b>Description:</b> Code qualifying the type of address component. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
NX202	166	<b>Address Information</b> <b>Description:</b> Address information	M	AN	1/35	Must use

## Semantics:

1. NX201 defines the type of address component.
2. NX202 defines the address component identified in NX201.

# REF Reference Numbers

Pos: 610	Max: 12
Detail - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

To specify identifying numbers.

## 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	<b>Reference Number Qualifier</b> <b>Description:</b> Code qualifying the Reference Number. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
REF02	127	<b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X	AN	1/30	Used
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	X	AN	1/80	Used

## Syntax Rules:

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

# PER Administrative Communications Contact

Pos: 620	Max: 3
Detail - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named. <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
PER02	93	<b>Name</b> <b>Description:</b> Free-form name.	O	AN	1/35	Used
PER03	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PER04	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	X	AN	1/25	Used
PER05	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number. <b>All valid standard codes are used.</b>	X	ID	2/2	Used
PER06	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	X	AN	1/25	Used

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.

# CTT Transaction Totals

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 7

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	<b>Number of Line Items</b> <b>Description:</b> Total number of line items in the transaction set.	M	NO	1/6	Must use
CTT02	347	<b>Hash Total</b> <b>Description:</b> Sum values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.(See Figures Appendix for an example detailing the use of this data element.)	O	R	1/10	Used
CTT03	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	O	R	1/10	Used
CTT04	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
CTT05	183	<b>Volume</b> <b>Description:</b> Value of volumetric measure.	O	R	1/8	Used
CTT06	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	X	ID	2/2	Used
CTT07	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80	Used

## Syntax Rules:

1. C0304 - If CTT03 is present, then CTT04 is required.
2. C0506 - If CTT05 is present, then CTT06 is required.

## Comments:

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

# AMT Monetary Amount

Pos: 020	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

To indicate the total monetary amount.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT01	522	<b>Amount Qualifier Code</b> Description: Code to qualify amount All valid standard codes are used.	M	ID	1/2	Must use
AMT02	782	<b>Monetary Amount</b> Description: Monetary amount.	M	R	1/15	Must use

# SE Transaction Set Trailer

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

**User Option (Usage):** Must use

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	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments.	M	NO	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

## Comments:

- SE is the last segment of each transaction set.

# GE Functional Group Trailer

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

**User Option (Usage):** Must use

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	<b>Number of Transaction Sets Included</b> <b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	NO	1/6	Must use
GE02	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	NO	1/9	Must use

## 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

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	<b>Number of Included Functional Groups</b> <b>Description:</b> A count of the number of functional groups included in an interchange	M	NO	1/5	Must use
IEA02	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	NO	9/9	Must use