R+L Carriers EDI File Format

EDI 210 Invoice

Functional Group: IM
X12 Version: 4010

This Draft Standard for Trial Use contains the format and establishes the data contents of the Motor Carrier Freight Details and Invoice Transaction Set (210) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide detail information for charges for services rendered by a motor carrier. It is used both as a motor carrier invoice to request payment or as details pertaining to motor freight shipment(s) charges.

Envelope:

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

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	B3	Beginning Segment for Carrier's Invoice	M	1			Must use
030	C2	Bank ID	O	1			Used
040	C3	Currency	O	1			Used
050	ITD	Terms of Sale/Deferred Terms of Sale	O	1			Used
060	N9	Reference Identification	O	300			Used
070	G62	Date/Time	O	6			Used
080	R3	Route Information - Motor	O	12			Used
090	H3	Special Handling Instructions	O	6			Used
100	K1	Remarks	O	10			Used
LOOP ID - 0100					**10**		
110	N1	Name	O	1			Used
120	N2	Additional Name Information	O	1			Used
130	N3	Address Information	O	2			Used
140	N4	Geographic Location	O	1			Used
150	N9	Reference Identification	O	5			Used
LOOP ID - 0200					**10**		
160	N7	Equipment Details	O	1			Used
170	M7	Seal Numbers	O	2			Used
LOOP ID - 0250					**999999**		
180	SPO	Shipment Purchase Order Detail	O	1			Used
185	SDQ	Destination Quantity	O	10			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage

LOOP ID - 0300				**999**	**N2/010L**	
010	S5	Stop Off Details	O	1	N2/010	Used
020	N9	Reference Identification	O	10		Used
030	G62	Date/Time	O	10		Used
040	H3	Special Handling Instructions	O	6		Used
LOOP ID - 0305				**999999**		
045	SPO	Shipment Purchase Order Detail	O	1		Used
047	SDQ	Destination Quantity	O	10		Used
LOOP ID - 0310				**2**		
050	N1	Name	O	1		Used
060	N2	Additional Name Information	O	1		Used
070	N3	Address Information	O	2		Used
080	N4	Geographic Location	O	1		Used
090	N9	Reference Identification	O	5		Used
LOOP ID - 0320				**10**		
100	N7	Equipment Details	O	1		Used
110	M7	Seal Numbers	O	2		Used
LOOP ID - 0400				**9999**		
120	LX	Assigned Number	O	1		Used
130	N9	Reference Identification	O	5		Used
137	POD	Proof of Delivery	O	1		Used
140	L5	Description, Marks and Numbers	O	30		Used
150	H1	Hazardous Material	O	3		Used
160	H2	Additional Hazardous Material Description	O	2		Used
170	L0	Line Item - Quantity and Weight	O	10		Used
180	L1	Rate and Charges	O	10		Used
190	L4	Measurement	O	10		Used
200	L7	Tariff Reference	O	10		Used
210	K1	Remarks	O	10		Used
LOOP ID - 0430				**999999**		
220	SPO	Shipment Purchase Order Detail	O	1		Used
230	SDQ	Destination Quantity	O	10		Used
LOOP ID - 0460				**999999**	**N2/240L**	
240	N1	Name	O	1	N2/240	Used
250	N2	Additional Name Information	O	1		Used
260	N3	Address Information	O	2		Used
270	N4	Geographic Location	O	1		Used
280	N9	Reference Identification	O	10		Used
LOOP ID - 0463				**999999**		
300	CD3	Carton (Package) Detail	O	1		Used
310	N9	Reference Identification	O	20		Used
320	H6	Special Services	O	10		Used
330	L9	Charge Detail	O	10		Used
335	POD	Proof of Delivery	O	1		Used
340	G62	Date/Time	O	1		Used
LOOP ID - 0465				**999999**		
350	SPO	Shipment Purchase Order Detail	O	1		Used

| 360 | SDQ | Destination Quantity | O | 10 | | | Used | ||| |

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	L3	Total Weight and Charges	O	1			Used
020	SE	Transaction Set Trailer	M	1			Must use

Envelope Trailer:

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

Notes:

2/010L Loops 0300, 0305, 0310 and 0320 shall only be used to identify all stop-off locations and associated data for loading and unloading of freight with the exception of the original stop-off location (shipper) for truckload carriers. The original stop-off location (shipper) shall be transmitted in loop 0100.

2/010 Loops 0300, 0305, 0310 and 0320 shall only be used to identify all stop-off locations and associated data for loading and unloading of freight with the exception of the original stop-off location (shipper) for truckload carriers. The original stop-off location (shipper) shall be transmitted in loop 0100.

2/240L Loops 0460 and 0463 shall be used to identify all small package carrier details related to the consignee (delivery location) and the related shipment. The shipper shall be identified in loop 0100.

2/240 Loops 0460 and 0463 shall be used to identify all small package carrier details related to the consignee (delivery location) and the related shipment. The shipper shall be identified in loop 0100.

RLC Notes

Segment terminators should be either a tilde (~) or carriage return (Hex 0d)

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier** **Description:** Code to identify the type of information in the Authorization Information **All valid standard codes are used.**	M	ID	2/2	Must use
ISA02	I02	**Authorization Information** **Description:** Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	I03	**Security Information Qualifier** **Description:** Code to identify the type of information in the Security Information **All valid standard codes are used.**	M	ID	2/2	Must use
ISA04	I04	**Security Information** **Description:** This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	I05	**Interchange ID Qualifier** **Description:** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified **All valid standard codes are used.**	M	ID	2/2	Must use
ISA06	I06	**Interchange Sender ID** **Description:** Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use
ISA07	I05	**Interchange ID Qualifier** **Description:** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified **All valid standard codes are used.**	M	ID	2/2	Must use
ISA08	I07	**Interchange Receiver ID** **Description:** Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M	AN	15/15	Must use
ISA09	I08	**Interchange Date** **Description:** Date of the interchange	M	DT	6/6	Must use
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

		Description: Time of the interchange					
ISA11	I10	**Interchange Control Standards Identifier** **Description:** Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer **All valid standard codes are used.**	M	ID	1/1	Must use	
ISA12	I11	**Interchange Control Version Number** **Description:** Code specifying the version number of the interchange control segments **All valid standard codes are used.**	M	ID	5/5	Must use	
ISA13	I12	**Interchange Control Number** **Description:** A control number assigned by the interchange sender	M	N0	9/9	Must use	
ISA14	I13	**Acknowledgment Requested** **Description:** Code sent by the sender to request an interchange acknowledgment (TA1) **All valid standard codes are used.**	M	ID	1/1	Must use	
ISA15	I14	**Usage Indicator** **Description:** Code to indicate whether data enclosed by this interchange envelope is test, production or information **All valid standard codes are used.**	M	ID	1/1	Must use	
ISA16	I15	**Component Element Separator** **Description:** Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use	

GS **Functional Group Header**

<table>
<tr><td>Pos:</td><td>Max: 1</td></tr>
<tr><td colspan="2">Not Defined - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 8</td></tr>
</table>

User Option (Usage): Must use

To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code** **Description:** Code identifying a group of application related transaction sets **All valid standard codes are used.**	M	ID	2/2	Must use
GS02	142	**Application Sender's Code** **Description:** Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	**Application Receiver's Code** **Description:** Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS04	373	**Date** **Description:** Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M	TM	4/8	Must use
GS06	28	**Group Control Number** **Description:** Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	**Responsible Agency Code** **Description:** Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 **All valid standard codes are used.**	M	ID	1/2	Must use
GS08	480	**Version / Release / Industry Identifier Code** **Description:** Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed **All valid standard codes are used.**	M	AN	1/12	Must use

Semantics:

6

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code** **Description:** Code uniquely identifying a Transaction Set **All valid standard codes are used.**	M	ID	3/3	Must use
ST02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

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).

B3   Beginning Segment for Carrier's Invoice

Pos: 020	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 14**

User Option (Usage): Must use

To transmit basic data relating to the carrier's invoice

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B301	147	**Shipment Qualifier** **Description:** Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time **All valid standard codes are used.**	O	ID	1/1	Used
B302	76	**Invoice Number** **Description:** Identifying number assigned by issuer *RLC: This field is for R+L Carrier's PRO number assigned to shipment and is required.*	M	AN	1/22	Must use
B303	145	**Shipment Identification Number** **Description:** Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	O	AN	1/30	Used
B304	146	**Shipment Method of Payment** **Description:** Code identifying payment terms for transportation charges **All valid standard codes are used.**	M	ID	2/2	Must use
B305	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	O	ID	1/1	Used
B306	373	**Date** **Description:** Date expressed as CCYYMMDD	M	DT	8/8	Must use
B307	193	**Net Amount Due** **Description:** Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified	M	N2	1/12	Must use
B308	202	**Correction Indicator** **Description:** Code used to indicate that the transaction set contains information which corrects previous information **All valid standard codes are used.**	O	ID	2/2	Used
B309	32	**Delivery Date** **Description:** Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD	X	DT	8/8	Used
B310	374	**Date/Time Qualifier** **Description:** Code specifying type of date or time, or both date and time **All valid standard codes are used.**	X	ID	3/3	Used
B311	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use

		Description: Standard Carrier Alpha Code				
B312	373	**Date**	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
B313	375	**Tariff Service Code**	O	ID	2/2	Used
		Description: Code specifying the types of services for rating purposes				
		All valid standard codes are used.				
B314	335	**Transportation Terms Code**	O	ID	3/3	Used
		Description: Code identifying the trade terms which apply to the shipment transportation responsibility				
		All valid standard codes are used.				

Syntax:

1. P0910 - If either B309,B310 is present, then all are required

Semantics:

1. B306 is the billing date.
2. On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.
3. If B314 is used, B304 will indicate the party or parties responsible for payment of the transportation terms identified in B314.

C2   **Bank ID**

User Option (Usage): Used

To specify data required for electronic payment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
C201	8	**Bank Client Code** **Description:** Code identifying payee or payer **All valid standard codes are used.**	M	ID	1/1	Must use
C202	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**	M	ID	1/2	Must use
C203	67	**Identification Code** **Description:** Code identifying a party or other code	M	AN	2/80	Must use
C204	20	**Client Bank Number** **Description:** Federal Reserve Routing Code	O	AN	3/9	Used
C205	7	**Bank Account Number** **Description:** ID number assigned by bank to its client	O	AN	6/17	Used
C206	107	**Payment Method Code** **Description:** Code identifying type of payment procedures **All valid standard codes are used.**	O	ID	1/2	Used
C207	373	**Date** **Description:** Date expressed as CCYYMMDD	O	DT	8/8	Used

Comments:

1. C207 is the effective payment date.

C3 **Currency**

<div>

Pos: 040   Max: 1
Heading - Optional
Loop: N/A   Elements: 4

</div>

User Option (Usage): Used

To specify the currency being used in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
C301	100	**Currency Code** **Description:** Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Must use
C302	280	**Exchange Rate** **Description:** Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O	R	4/10	Used
C303	100	**Currency Code** **Description:** Code (Standard ISO) for country in whose currency the charges are specified	O	ID	3/3	Used
C304	100	**Currency Code** **Description:** Code (Standard ISO) for country in whose currency the charges are specified	O	ID	3/3	Used

Semantics:

1. C301 is the billing currency.
2. C303 is the payment currency.
3. C304 is the rated currency.

Comments:

1. Currency is implied by the code for the country in whose currency the monetary amounts are specified.

12

ITD Terms of Sale/Deferred Terms of Sale

Pos: 050	Max: 1
Heading - Optional	
Loop: N/A	Elements: 15

User Option (Usage): Used

To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	**Terms Type Code** **Description:** Code identifying type of payment terms **All valid standard codes are used.**	O	ID	2/2	Used
ITD02	333	**Terms Basis Date Code** **Description:** Code identifying the beginning of the terms period **All valid standard codes are used.**	O	ID	1/2	Used
ITD03	338	**Terms Discount Percent** **Description:** Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O	R	1/6	Used
ITD04	370	**Terms Discount Due Date** **Description:** Date payment is due if discount is to be earned expressed in format CCYYMMDD	X	DT	8/8	Used
ITD05	351	**Terms Discount Days Due** **Description:** Number of days in the terms discount period by which payment is due if terms discount is earned	X	N0	1/3	Used
ITD06	446	**Terms Net Due Date** **Description:** Date when total invoice amount becomes due expressed in format CCYYMMDD	O	DT	8/8	Used
ITD07	386	**Terms Net Days** **Description:** Number of days until total invoice amount is due (discount not applicable)	O	N0	1/3	Used
ITD08	362	**Terms Discount Amount** **Description:** Total amount of terms discount	O	N2	1/10	Used
ITD09	388	**Terms Deferred Due Date** **Description:** Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD	O	DT	8/8	Used
ITD10	389	**Deferred Amount Due** **Description:** Deferred amount due for payment	X	N2	1/10	Used
ITD11	342	**Percent of Invoice Payable** **Description:** Amount of invoice payable expressed in percent	X	R	1/5	Used
ITD12	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	O	AN	1/80	Used
ITD13	765	**Day of Month** **Description:** The numeric value of the day of	X	N0	1/2	Used

		the month between 1 and the maximum day of the month being referenced				
ITD14	107	**Payment Method Code** **Description:** Code identifying type of payment procedures **All valid standard codes are used.**	O	ID	1/2	Used
ITD15	954	**Percent** **Description:** Percentage expressed as a decimal	O	R	1/10	Used

Syntax:

1. L03040513 - If ITD03 is present, then at least one of ITD04,ITD05,ITD13 is required
2. L08040513 - If ITD08 is present, then at least one of ITD04,ITD05,ITD13 is required
3. L091011 - If ITD09 is present, then at least one of ITD10,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 ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

N9   Reference Identification

Pos: 060   Max: 300
Heading - Optional
Loop: N/A   Elements: 7

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
N902	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
N903	369	**Free-form Description** **Description:** Free-form descriptive text	X	AN	1/45	Used
N904	373	**Date** **Description:** Date expressed as CCYYMMDD	O	DT	8/8	Used
N905	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
N906	623	**Time Code** **Description:** 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 **All valid standard codes are used.**	O	ID	2/2	Used
N907	C040	**Reference Identifier** **Description:** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Used
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Must use
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference	X	ID	2/3	Used

	Identification **All valid standard codes are used.**				
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	X	ID	2/3	Used
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used

Syntax:

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

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

G62   Date/Time

Pos: 070   Max: 6
Heading - Optional
Loop: N/A   Elements: 5

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier** **Description:** Code specifying type of date **All valid standard codes are used.**	X	ID	2/2	Used
G6202	373	**Date** **Description:** Date expressed as CCYYMMDD	X	DT	8/8	Used
G6203	176	**Time Qualifier** **Description:** Code specifying the reported time **All valid standard codes are used.**	X	ID	1/2	Used
G6204	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
G6205	623	**Time Code** **Description:** 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 **All valid standard codes are used.**	O	ID	2/2	Used

Syntax:

1. R0103 - At least one of G6201,G6203 is required
2. P0102 - If either G6201,G6202 is present, then all are required
3. P0304 - If either G6203,G6204 is present, then all are required

R3   Route Information - Motor

Pos: 080	**Max: 12**
Heading - Optional	
Loop: N/A	**Elements: 12**

User Option (Usage): Used

To specify carrier and routing sequences and details

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R301	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	M	ID	2/4	Must use
R302	133	**Routing Sequence Code** **Description:** Code describing the relationship of a carrier to a specific shipment movement **All valid standard codes are used.**	M	ID	1/2	Must use
R303	19	**City Name** **Description:** Free-form text for city name	O	AN	2/30	Used
R304	91	**Transportation Method/Type Code** **Description:** Code specifying the method or type of transportation for the shipment **All valid standard codes are used.**	O	ID	1/2	Used
R305	154	**Standard Point Location Code** **Description:** Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	O	ID	6/9	Used
R306	76	**Invoice Number** **Description:** Identifying number assigned by issuer	O	AN	1/22	Used
R307	373	**Date** **Description:** Date expressed as CCYYMMDD	O	DT	8/8	Used
R308	610	**Amount** **Description:** Monetary amount	O	N2	1/15	Used
R309	369	**Free-form Description** **Description:** Free-form descriptive text	O	AN	1/45	Used
R310	284	**Service Level Code** **Description:** Code indicating the level of transportation service or the billing service offered by the transportation carrier **All valid standard codes are used.**	X	ID	2/2	Used
R311	284	**Service Level Code** **Description:** Code indicating the level of transportation service or the billing service offered by the transportation carrier **All valid standard codes are used.**	X	ID	2/2	Used
R312	284	**Service Level Code** **Description:** Code indicating the level of transportation service or the billing service offered by the transportation carrier **All valid standard codes are used.**	O	ID	2/2	Used

Syntax:

1. C1110 - If R311 is present, then all of R310 are required

2. C1211 - If R312 is present, then all of R311 are required

Semantics:

1. R303 is the station or city name at which carriers interchange shipments
2. R307 is the carrier's billing date.
3. R308 is the amount due the carrier.

H3

Special Handling Instructions

Pos: 090   Max: 6
Heading - Optional
Loop: N/A   Elements: 5

User Option (Usage): Used

To specify special handling instructions in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
H301	152	**Special Handling Code** **Description:** Code specifying special transportation handling instructions **All valid standard codes are used.**	X	ID	2/3	Used
H302	153	**Special Handling Description** **Description:** Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	X	AN	2/30	Used
H303	241	**Protective Service Code** **Description:** Code specifying perishable protective service- rail carriers only **All valid standard codes are used.**	O	ID	1/4	Used
H304	242	**Vent Instruction Code** **Description:** Code specifying vent instructions **All valid standard codes are used.**	O	ID	1/7	Used
H305	257	**Tariff Application Code** **Description:** Code indicating to which traffic a tariff applies **All valid standard codes are used.**	O	ID	1/1	Used

Syntax:

1. E0102 - Only one of H301,H302 may be presented

K1   Remarks

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
K101	61	**Free-Form Message** **Description:** Free-form information	M	AN	1/30	Must use
K102	61	**Free-Form Message** **Description:** Free-form information	O	AN	1/30	Used

Loop 0100

Pos: 110	Repeat: 10
Optional	
Loop: 0100	Elements: N/A

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
110	N1	Name	O	1		Used
120	N2	Additional Name Information	O	1		Used
130	N3	Address Information	O	2		Used
140	N4	Geographic Location	O	1		Used
150	N9	Reference Identification	O	5		Used

N1   **Name**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	M	ID	2/3	Must use
N102	93	**Name** **Description:** Free-form name	X	AN	1/60	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**	X	ID	1/2	Used
N104	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
N105	706	**Entity Relationship Code** **Description:** Code describing entity relationship **All valid standard codes are used.**	O	ID	2/2	Used
N106	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	O	ID	2/3	Used

Syntax:

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

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N2   Additional Name Information

Pos: 120   Max: 1
Heading - Optional
Loop: 0100   Elements: 2

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name** **Description:** Free-form name	M	AN	1/60	Must use
N202	93	**Name** **Description:** Free-form name	O	AN	1/60	Used

N3   Address Information

Pos: 130	**Max: 2**
Heading - Optional	
Loop: 0100	**Elements: 2**

User Option (Usage): Used

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information** **Description:** Address information	M	AN	1/55	Must use
N302	166	**Address Information** **Description:** Address information	O	AN	1/55	Used

N4   **Geographic Location**

Pos: 140	Max: 1
Heading - Optional	
Loop: 0100	**Elements: 6**

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name** **Description:** Free-form text for city name	O	AN	2/30	Used
N402	156	**State or Province Code** **Description:** Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	**Postal Code** **Description:** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	**Country Code** **Description:** Code identifying the country	O	ID	2/3	Used
N405	309	**Location Qualifier** **Description:** Code identifying type of location **All valid standard codes are used.**	X	ID	1/2	Used
N406	310	**Location Identifier** **Description:** Code which identifies a specific location	O	AN	1/30	Used

Syntax:

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

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N9   Reference Identification

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

Pos: 150   Max: 5
Heading - Optional
Loop: 0100   Elements: 7

</div>

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
N902	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
N903	369	**Free-form Description** **Description:** Free-form descriptive text	X	AN	1/45	Used
N904	373	**Date** **Description:** Date expressed as CCYYMMDD	O	DT	8/8	Used
N905	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
N906	623	**Time Code** **Description:** 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 **All valid standard codes are used.**	O	ID	2/2	Used
N907	C040	**Reference Identifier** **Description:** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Used
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Must use
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference	X	ID	2/3	Used

	Identification				
	All valid standard codes are used.				
127	**Reference Identification**	X	AN	1/30	Used
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
128	**Reference Identification Qualifier**	X	ID	2/3	Used
	Description: Code qualifying the Reference Identification				
	All valid standard codes are used.				
127	**Reference Identification**	X	AN	1/30	Used
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax:

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

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

Loop 0200

<table>
<tr><td>Pos: 160</td><td>Repeat: 10</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td>Loop: 0200</td><td>Elements: N/A</td></tr>
</table>

To identify the equipment

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
160	N7	Equipment Details	O	1		Used
170	M7	Seal Numbers	O	2		Used

N7   Equipment Details

Pos: 160	**Max: 1**
Heading - Optional	
Loop: 0200	**Elements: 24**

User Option (Usage): Used

To identify the equipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N701	206	**Equipment Initial** **Description:** Prefix or alphabetic part of an equipment unit's identifying number	O	AN	1/4	Used
N702	207	**Equipment Number** **Description:** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M	AN	1/10	Must use
N703	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
N704	187	**Weight Qualifier** **Description:** Code defining the type of weight **All valid standard codes are used.**	X	ID	1/2	Used
N705	167	**Tare Weight** **Description:** Weight of the equipment	X	N0	3/8	Used
N706	232	**Weight Allowance** **Description:** Allowance made for increased weight due to such factors as snow	O	N0	2/6	Used
N707	205	**Dunnage** **Description:** Weight of material used to protect lading (even bracings, false floors, etc.)	O	N0	1/6	Used
N708	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used
N709	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
N710	102	**Ownership Code** **Description:** Code indicating the relationship of equipment to carrier or ownership of equipment **All valid standard codes are used.**	O	ID	1/1	Used
N711	40	**Equipment Description Code** **Description:** Code identifying type of equipment used for shipment **All valid standard codes are used.**	O	ID	2/2	Used
N712	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	O	ID	2/4	Used
N713	319	**Temperature Control** **Description:** Free-form abbreviation of temperature range or flash-point temperature	O	AN	3/6	Used
N714	219	**Position** **Description:** Relative position of shipment in car, trailer, or container (mutually defined)	O	AN	1/3	Used

N715	567	**Equipment Length** **Description:** Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	O	N0	4/5	Used	
N716	571	**Tare Qualifier Code** **Description:** Code identifying the type of tare **All valid standard codes are used.**	X	ID	1/1	Used	
N717	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	O	ID	1/1	Used	
N718	761	**Equipment Number Check Digit** **Description:** Number which designates the check digit applied to a piece of equipment	O	N0	1/1	Used	
N719	56	**Type of Service Code** **Description:** Code specifying extent of transportation service requested **All valid standard codes are used.**	O	ID	2/2	Used	
N720	65	**Height** **Description:** Vertical dimension of an object measured when the object is in the upright position	O	R	1/8	Used	
N721	189	**Width** **Description:** Shorter measurement of the two horizontal dimensions measured with the object in the upright position	O	R	1/8	Used	
N722	24	**Equipment Type** **Description:** Code identifying equipment type	O	ID	4/4	Used	
N723	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	O	ID	2/4	Used	
N724	301	**Car Type Code** **Description:** Code specifying type of rail car or intermodal equipment type and its general characteristics	O	ID	1/4	Used	

Syntax:

1. P0304 - If either N703,N704 is present, then all are required
2. P0516 - If either N705,N716 is present, then all are required
3. P0809 - If either N708,N709 is present, then all are required

Semantics:

1. N712 is the owner of the equipment.
2. N723 is the operator or carrier of the rights of the equipment.

Comments:

1. N701 is mandatory for rail transactions.
2. N720 and N721 are expressed in inches.

M7 Seal Numbers

<table>
<tr><td>Pos: 170</td><td>Max: 2</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: 0200</td><td>Elements: 5</td></tr>
</table>

User Option (Usage): Used

To record seal numbers used and the organization that applied the seals

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M701	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	M	AN	2/15	Must use
M702	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M703	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M704	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M705	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	O	ID	2/3	Used

Comments:

1. M705 indicates the name of the organization which applied the seal(s).

32

Loop 0250

Pos: 180	**Repeat: 999999**
Optional	
Loop: 0250	**Elements: N/A**

To specify the purchase order details for a shipment

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
180	SPO	Shipment Purchase Order Detail	O	1		Used
185	SDQ	Destination Quantity	O	10		Used

SPO Shipment Purchase Order Detail

Pos: 180	**Max: 1**
Heading - Optional	
Loop: 0250	**Elements: 8**

User Option (Usage): Used

To specify the purchase order details for a shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SPO01	324	**Purchase Order Number** **Description:** Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Must use
SPO02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used
SPO03	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **All valid standard codes are used.**	X	ID	2/2	Used
SPO04	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SPO05	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
SPO06	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
SPO07	647	**Application Error Condition Code** **Description:** Code indicating application error condition **All valid standard codes are used.**	O	ID	1/3	Used
SPO08	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used

Syntax:

1. P0304 - If either SPO03,SPO04 is present, then all are required
2. P0506 - If either SPO05,SPO06 is present, then all are required

Semantics:

1. SPO02 is the department number.
2. SPO04 is the total quantity for the purchase order.
3. SPO06 is the total weight for the purchase order.
4. SPO07 indicates the data error condition relative to the shipment management information.
5. SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).

SDQ Destination Quantity

User Option (Usage): Used

To specify destination and quantity detail

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ01	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **All valid standard codes are used.**	M	ID	2/2	Must use
SDQ02	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**	O	ID	1/2	Used
SDQ03	67	**Identification Code** **Description:** Code identifying a party or other code	M	AN	2/80	Must use
SDQ04	380	**Quantity** **Description:** Numeric value of quantity	M	R	1/15	Must use
SDQ05	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ06	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ07	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ08	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ09	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ10	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ11	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ12	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ13	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ14	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ15	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ16	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ17	67	**Identification Code**	X	AN	2/80	Used

		Description: Code identifying a party or other code				
SDQ18	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ19	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ20	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ21	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ22	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ23	310	**Location Identifier** **Description:** Code which identifies a specific location	O	AN	1/30	Used

Syntax:

1. P0506 - If either SDQ05,SDQ06 is present, then all are required
2. P0708 - If either SDQ07,SDQ08 is present, then all are required
3. P0910 - If either SDQ09,SDQ10 is present, then all are required
4. P1112 - If either SDQ11,SDQ12 is present, then all are required
5. P1314 - If either SDQ13,SDQ14 is present, then all are required
6. P1516 - If either SDQ15,SDQ16 is present, then all are required
7. P1718 - If either SDQ17,SDQ18 is present, then all are required
8. P1920 - If either SDQ19,SDQ20 is present, then all are required
9. P2122 - If either SDQ21,SDQ22 is present, then all are required

Semantics:

1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

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

Loop 0300

Pos: 010	Repeat: 999
Optional	
Loop: 0300	Elements: N/A

To specify stop-off detail reference numbers and stop reason

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	S5	Stop Off Details	O	1		Used
020	N9	Reference Identification	O	10		Used
030	G62	Date/Time	O	10		Used
040	H3	Special Handling Instructions	O	6		Used
045		Loop 0305	O		999999	Used
050		Loop 0310	O		2	Used

S5   **Stop Off Details**

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: 0300</td><td>Elements: 11</td></tr>
</table>

User Option (Usage): Used

To specify stop-off detail reference numbers and stop reason

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S501	165	**Stop Sequence Number** **Description:** Identifying number for the specific stop and the sequence in which the stop is to be performed	M	N0	1/3	Must use
S502	163	**Stop Reason Code** **Description:** Code specifying the reason for the stop **All valid standard codes are used.**	M	ID	2/2	Must use
S503	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
S504	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
S505	382	**Number of Units Shipped** **Description:** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	X	R	1/10	Used
S506	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **All valid standard codes are used.**	X	ID	2/2	Used
S507	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used
S508	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
S509	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	O	AN	1/80	Used
S510	154	**Standard Point Location Code** **Description:** Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	O	ID	6/9	Used
S511	190	**Accomplish Code** **Description:** Code indicating the status of a specified stop **All valid standard codes are used.**	O	ID	1/1	Used

Syntax:

1. P0304 - If either S503,S504 is present, then all are required
2. P0506 - If either S505,S506 is present, then all are required
3. P0708 - If either S507,S508 is present, then all are required

Semantics:

1. S509 is the stop reason description.

N9   Reference Identification

Pos: 020   Max: 10
Detail - Optional
Loop: 0300   Elements: 7

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
N902	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
N903	369	**Free-form Description** **Description:** Free-form descriptive text	X	AN	1/45	Used
N904	373	**Date** **Description:** Date expressed as CCYYMMDD	O	DT	8/8	Used
N905	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
N906	623	**Time Code** **Description:** 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 **All valid standard codes are used.**	O	ID	2/2	Used
N907	C040	**Reference Identifier** **Description:** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Used
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Must use
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference	X	ID	2/3	Used

	Identification **All valid standard codes are used.**				
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	X	ID	2/3	Used
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used

Syntax:

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

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

G62   Date/Time

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier**	X	ID	2/2	Used
		Description: Code specifying type of date				
		All valid standard codes are used.				
G6202	373	**Date**	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
G6203	176	**Time Qualifier**	X	ID	1/2	Used
		Description: Code specifying the reported time				
		All valid standard codes are used.				
G6204	337	**Time**	X	TM	4/8	Used
		Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)				
G6205	623	**Time Code**	O	ID	2/2	Used
		Description: 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				
		All valid standard codes are used.				

Syntax:

1. R0103 - At least one of G6201,G6203 is required
2. P0102 - If either G6201,G6202 is present, then all are required
3. P0304 - If either G6203,G6204 is present, then all are required

H3

Special Handling Instructions

Pos: 040   **Max: 6**
Detail - Optional
Loop: 0300   **Elements: 5**

User Option (Usage): Used

To specify special handling instructions in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
H301	152	**Special Handling Code** **Description:** Code specifying special transportation handling instructions **All valid standard codes are used.**	X	ID	2/3	Used
H302	153	**Special Handling Description** **Description:** Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	X	AN	2/30	Used
H303	241	**Protective Service Code** **Description:** Code specifying perishable protective service- rail carriers only **All valid standard codes are used.**	O	ID	1/4	Used
H304	242	**Vent Instruction Code** **Description:** Code specifying vent instructions **All valid standard codes are used.**	O	ID	1/7	Used
H305	257	**Tariff Application Code** **Description:** Code indicating to which traffic a tariff applies **All valid standard codes are used.**	O	ID	1/1	Used

Syntax:

1. E0102 - Only one of H301,H302 may be presented

Loop 0305

Pos: 045	**Repeat: 999999**
Optional	
Loop: 0305	**Elements: N/A**

To specify the purchase order details for a shipment

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
045	SPO	Shipment Purchase Order Detail	O	1		Used
047	SDQ	Destination Quantity	O	10		Used

SPO   Shipment Purchase Order Detail

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

Pos: 045   Max: 1
Detail - Optional
Loop: 0305   Elements: 8

</div>

User Option (Usage): Used

To specify the purchase order details for a shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SPO01	324	**Purchase Order Number** **Description:** Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Must use
SPO02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used
SPO03	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **All valid standard codes are used.**	X	ID	2/2	Used
SPO04	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SPO05	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
SPO06	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
SPO07	647	**Application Error Condition Code** **Description:** Code indicating application error condition **All valid standard codes are used.**	O	ID	1/3	Used
SPO08	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used

Syntax:

1. P0304 - If either SPO03,SPO04 is present, then all are required
2. P0506 - If either SPO05,SPO06 is present, then all are required

Semantics:

1. SPO02 is the department number.
2. SPO04 is the total quantity for the purchase order.
3. SPO06 is the total weight for the purchase order.
4. SPO07 indicates the data error condition relative to the shipment management information.
5. SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).

SDQ Destination Quantity

<table>
<tr><td>Pos: 047</td><td>Max: 10</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: 0305</td><td>Elements: 23</td></tr>
</table>

User Option (Usage): Used

To specify destination and quantity detail

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ01	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **All valid standard codes are used.**	M	ID	2/2	Must use
SDQ02	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**	O	ID	1/2	Used
SDQ03	67	**Identification Code** **Description:** Code identifying a party or other code	M	AN	2/80	Must use
SDQ04	380	**Quantity** **Description:** Numeric value of quantity	M	R	1/15	Must use
SDQ05	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ06	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ07	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ08	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ09	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ10	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ11	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ12	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ13	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ14	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ15	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ16	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ17	67	**Identification Code**	X	AN	2/80	Used

		Description: Code identifying a party or other code				
SDQ18	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ19	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ20	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ21	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ22	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ23	310	**Location Identifier** **Description:** Code which identifies a specific location	O	AN	1/30	Used

Syntax:

1. P0506 - If either SDQ05,SDQ06 is present, then all are required
2. P0708 - If either SDQ07,SDQ08 is present, then all are required
3. P0910 - If either SDQ09,SDQ10 is present, then all are required
4. P1112 - If either SDQ11,SDQ12 is present, then all are required
5. P1314 - If either SDQ13,SDQ14 is present, then all are required
6. P1516 - If either SDQ15,SDQ16 is present, then all are required
7. P1718 - If either SDQ17,SDQ18 is present, then all are required
8. P1920 - If either SDQ19,SDQ20 is present, then all are required
9. P2122 - If either SDQ21,SDQ22 is present, then all are required

Semantics:

1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

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

Loop 0310

Pos: 050	**Repeat: 2**
Optional	
Loop: 0310	**Elements: N/A**

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
050	N1	Name	O	1		Used
060	N2	Additional Name Information	O	1		Used
070	N3	Address Information	O	2		Used
080	N4	Geographic Location	O	1		Used
090	N9	Reference Identification	O	5		Used
100		Loop 0320	O		10	Used

N1 Name

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

Pos: 050   Max: 1
Detail - Optional
Loop: 0310   Elements: 6

</div>

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	M	ID	2/3	Must use
N102	93	**Name** **Description:** Free-form name	X	AN	1/60	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**	X	ID	1/2	Used
N104	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
N105	706	**Entity Relationship Code** **Description:** Code describing entity relationship **All valid standard codes are used.**	O	ID	2/2	Used
N106	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	O	ID	2/3	Used

Syntax:

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

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N2 Additional Name Information

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				

N3   Address Information

Pos: 070	Max: 2
Detail - Optional	
Loop: 0310	**Elements: 2**

User Option (Usage): Used

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information** **Description:** Address information	M	AN	1/55	Must use
N302	166	**Address Information** **Description:** Address information	O	AN	1/55	Used

N4   Geographic Location

<table>
<tr><td>Pos: 080</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: 0310</td><td>Elements: 6</td></tr>
</table>

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name** **Description:** Free-form text for city name	O	AN	2/30	Used
N402	156	**State or Province Code** **Description:** Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	**Postal Code** **Description:** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	**Country Code** **Description:** Code identifying the country	O	ID	2/3	Used
N405	309	**Location Qualifier** **Description:** Code identifying type of location **All valid standard codes are used.**	X	ID	1/2	Used
N406	310	**Location Identifier** **Description:** Code which identifies a specific location	O	AN	1/30	Used

Syntax:

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

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N9   Reference Identification

Pos: 090	**Max: 5**
Detail - Optional	
Loop: 0310	**Elements: 7**

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
N902	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
N903	369	**Free-form Description** **Description:** Free-form descriptive text	X	AN	1/45	Used
N904	373	**Date** **Description:** Date expressed as CCYYMMDD	O	DT	8/8	Used
N905	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
N906	623	**Time Code** **Description:** 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 **All valid standard codes are used.**	O	ID	2/2	Used
N907	C040	**Reference Identifier** **Description:** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Used
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Must use
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference	X	ID	2/3	Used

	Identification **All valid standard codes are used.**				
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	X	ID	2/3	Used
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used

Syntax:

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

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

Loop 0320

Pos: 100	**Repeat: 10**
Optional	
Loop: 0320	**Elements: N/A**

To identify the equipment

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
100	N7	Equipment Details	O	1		Used
110	M7	Seal Numbers	O	2		Used

N7   **Equipment Details**

<table>
<tr><td>Pos: 100</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: 0320</td><td>Elements: 24</td></tr>
</table>

User Option (Usage): Used

To identify the equipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N701	206	**Equipment Initial** **Description:** Prefix or alphabetic part of an equipment unit's identifying number	O	AN	1/4	Used
N702	207	**Equipment Number** **Description:** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M	AN	1/10	Must use
N703	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
N704	187	**Weight Qualifier** **Description:** Code defining the type of weight **All valid standard codes are used.**	X	ID	1/2	Used
N705	167	**Tare Weight** **Description:** Weight of the equipment	X	N0	3/8	Used
N706	232	**Weight Allowance** **Description:** Allowance made for increased weight due to such factors as snow	O	N0	2/6	Used
N707	205	**Dunnage** **Description:** Weight of material used to protect lading (even bracings, false floors, etc.)	O	N0	1/6	Used
N708	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used
N709	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
N710	102	**Ownership Code** **Description:** Code indicating the relationship of equipment to carrier or ownership of equipment **All valid standard codes are used.**	O	ID	1/1	Used
N711	40	**Equipment Description Code** **Description:** Code identifying type of equipment used for shipment **All valid standard codes are used.**	O	ID	2/2	Used
N712	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	O	ID	2/4	Used
N713	319	**Temperature Control** **Description:** Free-form abbreviation of temperature range or flash-point temperature	O	AN	3/6	Used
N714	219	**Position** **Description:** Relative position of shipment in car, trailer, or container (mutually defined)	O	AN	1/3	Used

N715	567	**Equipment Length** **Description:** Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	O	N0	4/5	Used
N716	571	**Tare Qualifier Code** **Description:** Code identifying the type of tare **All valid standard codes are used.**	X	ID	1/1	Used
N717	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	O	ID	1/1	Used
N718	761	**Equipment Number Check Digit** **Description:** Number which designates the check digit applied to a piece of equipment	O	N0	1/1	Used
N719	56	**Type of Service Code** **Description:** Code specifying extent of transportation service requested **All valid standard codes are used.**	O	ID	2/2	Used
N720	65	**Height** **Description:** Vertical dimension of an object measured when the object is in the upright position	O	R	1/8	Used
N721	189	**Width** **Description:** Shorter measurement of the two horizontal dimensions measured with the object in the upright position	O	R	1/8	Used
N722	24	**Equipment Type** **Description:** Code identifying equipment type	O	ID	4/4	Used
N723	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	O	ID	2/4	Used
N724	301	**Car Type Code** **Description:** Code specifying type of rail car or intermodal equipment type and its general characteristics	O	ID	1/4	Used

Syntax:

1. P0304 - If either N703,N704 is present, then all are required
2. P0516 - If either N705,N716 is present, then all are required
3. P0809 - If either N708,N709 is present, then all are required

Semantics:

1. N712 is the owner of the equipment.
2. N723 is the operator or carrier of the rights of the equipment.

Comments:

1. N701 is mandatory for rail transactions.
2. N720 and N721 are expressed in inches.

M7 Seal Numbers

User Option (Usage): Used

To record seal numbers used and the organization that applied the seals

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M701	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	M	AN	2/15	Must use
M702	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M703	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M704	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M705	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	O	ID	2/3	Used

Comments:

1. M705 indicates the name of the organization which applied the seal(s).

Loop 0400

Pos: 120	**Repeat: 9999**
Optional	
Loop: 0400	**Elements: N/A**

To reference a line number in a transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
120	LX	Assigned Number	O	1		Used
130	N9	Reference Identification	O	5		Used
137	POD	Proof of Delivery	O	1		Used
140	L5	Description, Marks and Numbers	O	30		Used
150	H1	Hazardous Material	O	3		Used
160	H2	Additional Hazardous Material Description	O	2		Used
170	L0	Line Item - Quantity and Weight	O	10		Used
180	L1	Rate and Charges	O	10		Used
190	L4	Measurement	O	10		Used
200	L7	Tariff Reference	O	10		Used
210	K1	Remarks	O	10		Used
220		Loop 0430	O		999999	Used
240		Loop 0460	O		999999	Used

LX   Assigned Number

User Option (Usage): Used

To reference a line number in a transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LX01	554	**Assigned Number** **Description:** Number assigned for differentiation within a transaction set	M	N0	1/6	Must use

N9   Reference Identification

Pos: 130   Max: 5
Detail - Optional
Loop: 0400   Elements: 7

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
N902	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
N903	369	**Free-form Description** **Description:** Free-form descriptive text	X	AN	1/45	Used
N904	373	**Date** **Description:** Date expressed as CCYYMMDD	O	DT	8/8	Used
N905	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
N906	623	**Time Code** **Description:** 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 **All valid standard codes are used.**	O	ID	2/2	Used
N907	C040	**Reference Identifier** **Description:** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Used
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Must use
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference	X	ID	2/3	Used

	Identification				
	All valid standard codes are used.				
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	X	ID	2/3	Used
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used

Syntax:

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

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

POD Proof of Delivery

User Option (Usage): Used

To provide proof of delivery

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POD01	373	**Date** **Description:** Date expressed as CCYYMMDD	M	DT	8/8	Must use
POD02	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O	TM	4/8	Used
POD03	93	**Name** **Description:** Free-form name	M	AN	1/60	Must use

L5 Description, Marks and Numbers

Pos: 140	Max: 30
Detail - Optional	
Loop: 0400	Elements: 10

User Option (Usage): Used

To specify the line item in terms of description, quantity, packaging, and marks and numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L501	213	**Lading Line Item Number** **Description:** Sequential line number for a lading item	O	N0	1/3	Used
L502	79	**Lading Description** **Description:** Description of an item as required for rating and billing purposes	O	AN	1/50	Used
L503	22	**Commodity Code** **Description:** Code describing a commodity or group of commodities	X	AN	1/30	Used
L504	23	**Commodity Code Qualifier** **Description:** Code identifying the commodity coding system used for Commodity Code **All valid standard codes are used.**	X	ID	1/1	Used
L505	103	**Packaging Code** **Description:** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required **All valid standard codes are used.**	O	AN	3/5	Used
L506	87	**Marks and Numbers** **Description:** Marks and numbers used to identify a shipment or parts of a shipment	X	AN	1/48	Used
L507	88	**Marks and Numbers Qualifier** **Description:** Code specifying the application or source of Marks and Numbers (87) **All valid standard codes are used.**	O	ID	1/2	Used
L508	23	**Commodity Code Qualifier** **Description:** Code identifying the commodity coding system used for Commodity Code **All valid standard codes are used.**	X	ID	1/1	Used
L509	22	**Commodity Code** **Description:** Code describing a commodity or group of commodities	X	AN	1/30	Used
L510	595	**Compartment ID Code** **Description:** Code identifying the compartment in a compartmentalized tank car **All valid standard codes are used.**	O	ID	1/1	Used

Syntax:

1. P0304 - If either L503,L504 is present, then all are required
2. C0706 - If L507 is present, then all of L506 are required
3. P0809 - If either L508,L509 is present, then all are required

Comments:

1. L502 may be used to send quantity information as part of the product description.

64

H1 **Hazardous Material**

User Option (Usage): Used

To specify information relative to hazardous material

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
H101	62	**Hazardous Material Code** **Description:** Code relating to hazardous material code qualifier for regulated hazardous materials	M	AN	4/10	Must use
H102	209	**Hazardous Material Class Code** **Description:** Code specifying the kind of hazard for a material	O	AN	1/4	Used
H103	208	**Hazardous Material Code Qualifier** **Description:** Code which qualifies the Hazardous Material Class Code (209) **All valid standard codes are used.**	O	ID	1/1	Used
H104	64	**Hazardous Material Description** **Description:** Material name, special instructions, and phone number if any	O	AN	2/30	Used
H105	63	**Hazardous Material Contact** **Description:** Phone number and name of person or department to contact in case of emergency	O	AN	1/24	Used
H106	200	**Hazardous Materials Page** **Description:** The United Nations page number as required for the international transport of hazardous materials	O	AN	1/6	Used
H107	77	**Flashpoint Temperature** **Description:** The flashpoint temperature for hazardous material	X	N	1/3	Used
H108	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **All valid standard codes are used.**	X	ID	2/2	Used
H109	254	**Packing Group Code** **Description:** Code indicating degree of danger in terms of Roman number I, II or III	O	ID	1/3	Used

Syntax:

1. P0708 - If either H107,H108 is present, then all are required

Comments:

1. This segment is required when the shipment contains hazardous material.
2. H107 is the lowest temperature for hazardous materials.

H2 Additional Hazardous Material Description

Pos: 160   Max: 2
Detail - Optional
Loop: 0400   Elements: 2

User Option (Usage): Used

To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
H201	64	**Hazardous Material Description** **Description:** Material name, special instructions, and phone number if any	M	AN	2/30	Must use
H202	274	**Hazardous Material Classification** **Description:** Free-form description of hazardous material classification or division or label requirements	O	AN	1/30	Used

L0   Line Item - Quantity and Weight

Pos: 170	Max: 10
Detail - Optional	
Loop: 0400	**Elements: 15**

User Option (Usage): Used

To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L001	213	**Lading Line Item Number** **Description:** Sequential line number for a lading item	O	N0	1/3	Used
L002	220	**Billed/Rated-as Quantity** **Description:** Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	X	R	1/11	Used
L003	221	**Billed/Rated-as Qualifier** **Description:** Code identifying the type of quantity or value on which the rate or item pricing is based **All valid standard codes are used.**	X	ID	2/2	Used
L004	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
L005	187	**Weight Qualifier** **Description:** Code defining the type of weight **All valid standard codes are used.**	X	ID	1/2	Used
L006	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used
L007	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
L008	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	X	N0	1/7	Used
L009	211	**Packaging Form Code** **Description:** Code for packaging form of the lading quantity **All valid standard codes are used.**	X	ID	3/3	Used
L010	458	**Dunnage Description** **Description:** Material used to protect lading	O	AN	2/25	Used
L011	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	O	ID	1/1	Used
L012	56	**Type of Service Code** **Description:** Code specifying extent of transportation service requested **All valid standard codes are used.**	O	ID	2/2	Used
L013	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
L014	211	**Packaging Form Code** **Description:** Code for packaging form of the lading quantity **All valid standard codes are used.**	O	ID	3/3	Used

| L015 | 1073 | **Yes/No Condition or Response Code** | X | ID | 1/1 | Used |

Description: Code indicating a Yes or No condition or response
All valid standard codes are used.

Syntax:
1. P0203 - If either L002,L003 is present, then all are required
2. P0405 - If either L004,L005 is present, then all are required
3. P0607 - If either L006,L007 is present, then all are required
4. P0809 - If either L008,L009 is present, then all are required
5. C1104 - If L011 is present, then all of L004 are required
6. P1315 - If either L013,L015 is present, then all are required

Semantics:
1. L008 is the number of handling units of the line item tendered to the carrier.
2. L013 can only be used if the code in L009 is PLT, SKD, or SLP.
3. L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

Comments:
1. L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

L1

Rate and Charges

Pos: 180	Max: 10
Detail - Optional	
Loop: 0400	**Elements: 21**

User Option (Usage): Used

To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L101	213	**Lading Line Item Number** **Description:** Sequential line number for a lading item	O	N0	1/3	Used
L102	60	**Freight Rate** **Description:** Rate that applies to the specific commodity	X	R	1/9	Used
L103	122	**Rate/Value Qualifier** **Description:** Code qualifying how to extend charges or interpret value **All valid standard codes are used.**	X	ID	2/2	Used
L104	58	**Charge** **Description:** For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	X	N2	1/12	Used
L105	191	**Advances** **Description:** Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	X	N2	1/9	Used
L106	117	**Prepaid Amount** **Description:** Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	X	N2	1/9	Used
L107	120	**Rate Combination Point Code** **Description:** The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges **All valid standard codes are used.**	O	AN	3/9	Used
L108	150	**Special Charge or Allowance Code** **Description:** Code identifying type of special charge or allowance **All valid standard codes are used.**	O	ID	3/3	Used
L109	121	**Rate Class Code** **Description:** Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k **All valid standard codes are used.**	O	ID	1/3	Used
L110	39	**Entitlement Code** **Description:** Code identifying entitlement	O	ID	1/1	Used

		party **All valid standard codes are used.**				
L111	16	**Charge Method of Payment** **Description:** Code defining method of payment **All valid standard codes are used.**	O	ID	1/1	Used
L112	276	**Special Charge Description** **Description:** Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150	O	AN	2/25	Used
L113	257	**Tariff Application Code** **Description:** Code indicating to which traffic a tariff applies **All valid standard codes are used.**	O	ID	1/1	Used
L114	74	**Declared Value** **Description:** Monetary assigned value expressed in the standard monetary denomination for the currency specified	X	N2	2/12	Used
L115	122	**Rate/Value Qualifier** **Description:** Code qualifying how to extend charges or interpret value **All valid standard codes are used.**	X	ID	2/2	Used
L116	372	**Lading Liability Code** **Description:** Code identifying limits of liability **All valid standard codes are used.**	O	ID	1/1	Used
L117	220	**Billed/Rated-as Quantity** **Description:** Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	X	R	1/11	Used
L118	221	**Billed/Rated-as Qualifier** **Description:** Code identifying the type of quantity or value on which the rate or item pricing is based **All valid standard codes are used.**	X	ID	2/2	Used
L119	954	**Percent** **Description:** Percentage expressed as a decimal	O	R	1/10	Used
L120	100	**Currency Code** **Description:** Code (Standard ISO) for country in whose currency the charges are specified	O	ID	3/3	Used
L121	610	**Amount** **Description:** Monetary amount	O	N2	1/15	Used

Syntax:

1. P0203 - If either L102,L103 is present, then all are required
2. R040506 - At least one of L104,L105,L106 is required
3. P1415 - If either L114,L115 is present, then all are required
4. P1718 - If either L117,L118 is present, then all are required

Semantics:

1. L119 is the percent used to determine the charge in L104.
2. L120, if used, indicates the currency for all monetary amounts in this L1 segment.
3. L121 is the origin rated as charge amount.

L4 **Measurement**

User Option (Usage): Used

To describe physical dimensions and quantities

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L401	82	**Length** **Description:** Largest horizontal dimension of an object measured when the object is in the upright position	M	R	1/8	Must use
L402	189	**Width** **Description:** Shorter measurement of the two horizontal dimensions measured with the object in the upright position	M	R	1/8	Must use
L403	65	**Height** **Description:** Vertical dimension of an object measured when the object is in the upright position	M	R	1/8	Must use
L404	90	**Measurement Unit Qualifier** **Description:** Code specifying the linear dimensional unit **All valid standard codes are used.**	M	ID	1/1	Must use
L405	380	**Quantity** **Description:** Numeric value of quantity	O	R	1/15	Used
L406	1271	**Industry Code** **Description:** Code indicating a code from a specific industry code list	O	AN	1/30	Used

Semantics:

1. L406 is the Rounding in Pattern for dimensional shipments.

L7   **Tariff Reference**

<table>
<tr><td>Pos: 200</td><td>Max: 10</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: 0400</td><td>Elements:
16</td></tr>
</table>

User Option (Usage): Used

To reference details of the tariff used to arrive at applicable rates or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L701	213	**Lading Line Item Number** **Description:** Sequential line number for a lading item	O	N0	1/3	Used
L702	168	**Tariff Agency Code** **Description:** Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	O	ID	1/4	Used
L703	171	**Tariff Number** **Description:** Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O	AN	1/7	Used
L704	172	**Tariff Section** **Description:** Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	O	AN	1/2	Used
L705	169	**Tariff Item Number** **Description:** Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	O	AN	1/16	Used
L706	170	**Tariff Item Part** **Description:** Number assigned to subsection of a specific tariff item (arbitrary)	O	N0	1/2	Used
L707	59	**Freight Class Code** **Description:** Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	O	AN	2/5	Used
L708	173	**Tariff Supplement Identifier** **Description:** Identifier for the tariff supplement which contains the rate used	O	AN	1/4	Used
L709	46	**Ex Parte** **Description:** Level of rates as published in the tariff	O	AN	4/4	Used
L710	373	**Date** **Description:** Date expressed as CCYYMMDD	O	DT	8/8	Used
L711	119	**Rate Basis Number** **Description:** The (mileage) factor published for rating purposes in the appropriate tariff	O	AN	1/6	Used
L712	227	**Tariff Column** **Description:** A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications	O	AN	1/2	Used
L713	294	**Tariff Distance** **Description:** Distance on which the rate for a shipment is based	O	N0	1/5	Used
L714	295	**Distance Qualifier**	O	ID	1/1	Used

		Description: Code identifying the distance unit **All valid standard codes are used.**				
L715	19	**City Name** **Description:** Free-form text for city name	O	AN	2/30	Used
L716	156	**State or Province Code** **Description:** Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used

Semantics:

1. L710 is the effective date.
2. In L715 and L716, "City" and "State" are used for rate combination city and state.

K1   Remarks

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
K101	61	**Free-Form Message** **Description:** Free-form information	M	AN	1/30	Must use
K102	61	**Free-Form Message** **Description:** Free-form information	O	AN	1/30	Used

Loop 0430

<table>
<tr><td>Pos: 220</td><td>Repeat: 999999</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td>Loop: 0430</td><td>Elements: N/A</td></tr>
</table>

To specify the purchase order details for a shipment

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
220	SPO	Shipment Purchase Order Detail	O	1		Used
230	SDQ	Destination Quantity	O	10		Used

SPO Shipment Purchase Order Detail

Pos: 220	Max: 1
Detail - Optional	
Loop: 0430	**Elements: 8**

User Option (Usage): Used

To specify the purchase order details for a shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SPO01	324	**Purchase Order Number** **Description:** Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Must use
SPO02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used
SPO03	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **All valid standard codes are used.**	X	ID	2/2	Used
SPO04	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SPO05	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
SPO06	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
SPO07	647	**Application Error Condition Code** **Description:** Code indicating application error condition **All valid standard codes are used.**	O	ID	1/3	Used
SPO08	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used

Syntax:
1. P0304 - If either SPO03,SPO04 is present, then all are required
2. P0506 - If either SPO05,SPO06 is present, then all are required

Semantics:
1. SPO02 is the department number.
2. SPO04 is the total quantity for the purchase order.
3. SPO06 is the total weight for the purchase order.
4. SPO07 indicates the data error condition relative to the shipment management information.
5. SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).

SDQ **Destination Quantity**

Pos: 230	Max: 10
Detail - Optional	
Loop: 0430	Elements: 23

User Option (Usage): Used

To specify destination and quantity detail

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ01	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **All valid standard codes are used.**	M	ID	2/2	Must use
SDQ02	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**	O	ID	1/2	Used
SDQ03	67	**Identification Code** **Description:** Code identifying a party or other code	M	AN	2/80	Must use
SDQ04	380	**Quantity** **Description:** Numeric value of quantity	M	R	1/15	Must use
SDQ05	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ06	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ07	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ08	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ09	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ10	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ11	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ12	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ13	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ14	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ15	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ16	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ17	67	**Identification Code**	X	AN	2/80	Used

		Description: Code identifying a party or other code				
SDQ18	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ19	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ20	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ21	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ22	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ23	310	**Location Identifier** **Description:** Code which identifies a specific location	O	AN	1/30	Used

Syntax:

1. P0506 - If either SDQ05,SDQ06 is present, then all are required
2. P0708 - If either SDQ07,SDQ08 is present, then all are required
3. P0910 - If either SDQ09,SDQ10 is present, then all are required
4. P1112 - If either SDQ11,SDQ12 is present, then all are required
5. P1314 - If either SDQ13,SDQ14 is present, then all are required
6. P1516 - If either SDQ15,SDQ16 is present, then all are required
7. P1718 - If either SDQ17,SDQ18 is present, then all are required
8. P1920 - If either SDQ19,SDQ20 is present, then all are required
9. P2122 - If either SDQ21,SDQ22 is present, then all are required

Semantics:

1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

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

Loop 0460

Pos: 240	**Repeat: 999999**
Optional	
Loop: 0460	**Elements: N/A**

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
240	N1	Name	O	1		Used
250	N2	Additional Name Information	O	1		Used
260	N3	Address Information	O	2		Used
270	N4	Geographic Location	O	1		Used
280	N9	Reference Identification	O	10		Used
300		Loop 0463	O		999999	Used
350		Loop 0465	O		999999	Used

N1   **Name**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	M	ID	2/3	Must use
N102	93	**Name** **Description:** Free-form name	X	AN	1/60	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**	X	ID	1/2	Used
N104	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
N105	706	**Entity Relationship Code** **Description:** Code describing entity relationship **All valid standard codes are used.**	O	ID	2/2	Used
N106	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	O	ID	2/3	Used

Syntax:

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

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N2 Additional Name Information

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name** **Description:** Free-form name	M	AN	1/60	Must use
N202	93	**Name** **Description:** Free-form name	O	AN	1/60	Used

N3   Address Information

<div style="border:1px solid black; padding:4px;">
Pos: 260   Max: 2
Detail - Optional
Loop: 0460   Elements: 2
</div>

User Option (Usage): Used

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information** **Description:** Address information	M	AN	1/55	Must use
N302	166	**Address Information** **Description:** Address information	O	AN	1/55	Used

N4   Geographic Location

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

Pos: 270   **Max: 1**
Detail - Optional
Loop: 0460   Elements: 6

</div>

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name** **Description:** Free-form text for city name	O	AN	2/30	Used
N402	156	**State or Province Code** **Description:** Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	**Postal Code** **Description:** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	**Country Code** **Description:** Code identifying the country	O	ID	2/3	Used
N405	309	**Location Qualifier** **Description:** Code identifying type of location **All valid standard codes are used.**	X	ID	1/2	Used
N406	310	**Location Identifier** **Description:** Code which identifies a specific location	O	AN	1/30	Used

Syntax:

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

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N9 Reference Identification

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

Pos: 280   Max: 10
Detail - Optional
Loop: 0460   Elements: 7

</div>

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
N902	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
N903	369	**Free-form Description** **Description:** Free-form descriptive text	X	AN	1/45	Used
N904	373	**Date** **Description:** Date expressed as CCYYMMDD	O	DT	8/8	Used
N905	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
N906	623	**Time Code** **Description:** 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 **All valid standard codes are used.**	O	ID	2/2	Used
N907	C040	**Reference Identifier** **Description:** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Used
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Must use
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference	X	ID	2/3	Used

	Identification **All valid standard codes are used.**					
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used	
128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	X	ID	2/3	Used	
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used	

Syntax:

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

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

Loop 0463

Pos: 300	Repeat: 999999
Optional	
Loop: 0463	Elements: N/A

To transmit identifying codes, weights, and other related information related to an individual carton (package)

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
300	CD3	Carton (Package) Detail	O	1		Used
310	N9	Reference Identification	O	20		Used
320	H6	Special Services	O	10		Used
330	L9	Charge Detail	O	10		Used
335	POD	Proof of Delivery	O	1		Used
340	G62	Date/Time	O	1		Used

CD3 **Carton (Package) Detail**

Pos: 300	**Max: 1**
Detail - Optional	
Loop: 0463	**Elements: 14**

User Option (Usage): Used

To transmit identifying codes, weights, and other related information related to an individual carton (package)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CD301	187	**Weight Qualifier** **Description:** Code defining the type of weight **All valid standard codes are used.**	X	ID	1/2	Used
CD302	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
CD303	619	**Zone** **Description:** To identify zone	O	AN	2/3	Used
CD304	34	**Service Standard** **Description:** To report the time period of carrier's standard service for the shipment	O	N1	1/4	Used
CD305	284	**Service Level Code** **Description:** Code indicating the level of transportation service or the billing service offered by the transportation carrier **All valid standard codes are used.**	X	ID	2/2	Used
CD306	108	**Pick-up or Delivery Code** **Description:** Specifies the location or type of pickup or delivery **All valid standard codes are used.**	O	ID	1/2	Used
CD307	122	**Rate/Value Qualifier** **Description:** Code qualifying how to extend charges or interpret value **All valid standard codes are used.**	X	ID	2/2	Used
CD308	58	**Charge** **Description:** For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	X	N2	1/12	Used
CD309	122	**Rate/Value Qualifier** **Description:** Code qualifying how to extend charges or interpret value **All valid standard codes are used.**	X	ID	2/2	Used
CD310	58	**Charge** **Description:** For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	X	N2	1/12	Used
CD311	284	**Service Level Code** **Description:** Code indicating the level of transportation service or the billing service offered by the transportation carrier **All valid standard codes are used.**	X	ID	2/2	Used
CD312	284	**Service Level Code** **Description:** Code indicating the level of	O	ID	2/2	Used

87

		transportation service or the billing service offered by the transportation carrier **All valid standard codes are used.**				
CD313	591	**Payment Method Code** **Description:** Code identifying the method for the movement of payment instructions **All valid standard codes are used.**	O	ID	3/3	Used
CD314	26	**Country Code** **Description:** Code identifying the country	O	ID	2/3	Used

Syntax:

1. P0102 - If either CD301,CD302 is present, then all are required
2. P0708 - If either CD307,CD308 is present, then all are required
3. P0910 - If either CD309,CD310 is present, then all are required
4. C1105 - If CD311 is present, then all of CD305 are required
5. C1211 - If CD312 is present, then all of CD311 are required
6. C1405 - If CD314 is present, then all of CD305 are required

Semantics:

1. CD308 is the charge for the single package.
2. CD310 is the total charge for all of the packages.
3. CD314 is the country where the service is to be performed.

N9   Reference Identification

Pos: 310   **Max: 20**
Detail - Optional
Loop: 0463   **Elements: 7**

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
N902	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
N903	369	**Free-form Description** **Description:** Free-form descriptive text	X	AN	1/45	Used
N904	373	**Date** **Description:** Date expressed as CCYYMMDD	O	DT	8/8	Used
N905	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
N906	623	**Time Code** **Description:** 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 **All valid standard codes are used.**	O	ID	2/2	Used
N907	C040	**Reference Identifier** **Description:** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Used
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	M	ID	2/3	Must use
	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Must use
	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference	X	ID	2/3	Used

	Identification **All valid standard codes are used.**					
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used	
128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	X	ID	2/3	Used	
127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used	

Syntax:

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

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

H6   **Special Services**

User Option (Usage): Used

To identify forms of unitization, liability issues, and special services

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
H601	560	**Special Services Code** **Description:** Code identifying the special service **All valid standard codes are used.**	X	ID	2/10	Used
H602	560	**Special Services Code** **Description:** Code identifying the special service **All valid standard codes are used.**	O	ID	2/10	Used
H603	406	**Quantity of Pallets Shipped** **Description:** Number of pallets shipped	O	N0	1/3	Used
H604	399	**Pallet Exchange Code** **Description:** Code specifying pallet exchange instructions **All valid standard codes are used.**	O	ID	1/1	Used
H605	81	**Weight** **Description:** Numeric value of weight	O	R	1/10	Used
H606	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	O	ID	1/1	Used
H607	108	**Pick-up or Delivery Code** **Description:** Specifies the location or type of pickup or delivery **All valid standard codes are used.**	X	ID	1/2	Used

Syntax:

1. R0107 - At least one of H601,H607 is required
2. C0201 - If H602 is present, then all of H601 are required

Comments:

1. H601 indicates base services. If H601 equals "PC" and H602 equals "PL", then H603 must be used.
2. H602 indicates special services.
3. H606 is used only when H605 is expressed in a unit of measure other than pounds (weight refers to pallet weight only).

L9   Charge Detail

Pos: 330   Max: 10
Detail - Optional
Loop: 0463   Elements: 2

User Option (Usage): Used

To specify special charge code and the associated monetary amount

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L901	150	**Special Charge or Allowance Code** **Description:** Code identifying type of special charge or allowance **All valid standard codes are used.**	M	ID	3/3	Must use
L902	782	**Monetary Amount** **Description:** Monetary amount	M	R	1/18	Must use

Semantics:

1. L902 is the transportation charge for a special service performed, expressed in the standard monetary denomination for the currency specified.

POD Proof of Delivery

Pos: 335   Max: 1
Detail - Optional
Loop: 0463   Elements: 3

User Option (Usage): Used

To provide proof of delivery

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POD01	373	**Date** **Description:** Date expressed as CCYYMMDD	M	DT	8/8	Must use
POD02	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O	TM	4/8	Used
POD03	93	**Name** **Description:** Free-form name	M	AN	1/60	Must use

G62 Date/Time

Pos: 340   Max: 1
Detail - Optional
Loop: 0463   Elements: 5

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier** **Description:** Code specifying type of date **All valid standard codes are used.**	X	ID	2/2	Used
G6202	373	**Date** **Description:** Date expressed as CCYYMMDD	X	DT	8/8	Used
G6203	176	**Time Qualifier** **Description:** Code specifying the reported time **All valid standard codes are used.**	X	ID	1/2	Used
G6204	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
G6205	623	**Time Code** **Description:** 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 **All valid standard codes are used.**	O	ID	2/2	Used

Syntax:

1. R0103 - At least one of G6201,G6203 is required
2. P0102 - If either G6201,G6202 is present, then all are required
3. P0304 - If either G6203,G6204 is present, then all are required

94

Loop 0465

Pos: 350	**Repeat: 999999**
Optional	
Loop: 0465	**Elements: N/A**

To specify the purchase order details for a shipment

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
350	SPO	Shipment Purchase Order Detail	O	1		Used
360	SDQ	Destination Quantity	O	10		Used

SPO   Shipment Purchase Order Detail

Pos: 350   Max: 1
Detail - Optional
Loop: 0465   Elements: 8

User Option (Usage): Used

To specify the purchase order details for a shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SPO01	324	**Purchase Order Number** **Description:** Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Must use
SPO02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used
SPO03	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **All valid standard codes are used.**	X	ID	2/2	Used
SPO04	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SPO05	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
SPO06	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
SPO07	647	**Application Error Condition Code** **Description:** Code indicating application error condition **All valid standard codes are used.**	O	ID	1/3	Used
SPO08	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used

Syntax:

1. P0304 - If either SPO03,SPO04 is present, then all are required
2. P0506 - If either SPO05,SPO06 is present, then all are required

Semantics:

1. SPO02 is the department number.
2. SPO04 is the total quantity for the purchase order.
3. SPO06 is the total weight for the purchase order.
4. SPO07 indicates the data error condition relative to the shipment management information.
5. SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).

SDQ Destination Quantity

Pos: 360	**Max: 10**
Detail - Optional	
Loop: 0465	**Elements: 23**

User Option (Usage): Used

To specify destination and quantity detail

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SDQ01	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **All valid standard codes are used.**	M	ID	2/2	Must use
SDQ02	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**	O	ID	1/2	Used
SDQ03	67	**Identification Code** **Description:** Code identifying a party or other code	M	AN	2/80	Must use
SDQ04	380	**Quantity** **Description:** Numeric value of quantity	M	R	1/15	Must use
SDQ05	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ06	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ07	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ08	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ09	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ10	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ11	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ12	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ13	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ14	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ15	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ16	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ17	67	**Identification Code**	X	AN	2/80	Used

		Description: Code identifying a party or other code				
SDQ18	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ19	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ20	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ21	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
SDQ22	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
SDQ23	310	**Location Identifier** **Description:** Code which identifies a specific location	O	AN	1/30	Used

Syntax:

1. P0506 - If either SDQ05,SDQ06 is present, then all are required
2. P0708 - If either SDQ07,SDQ08 is present, then all are required
3. P0910 - If either SDQ09,SDQ10 is present, then all are required
4. P1112 - If either SDQ11,SDQ12 is present, then all are required
5. P1314 - If either SDQ13,SDQ14 is present, then all are required
6. P1516 - If either SDQ15,SDQ16 is present, then all are required
7. P1718 - If either SDQ17,SDQ18 is present, then all are required
8. P1920 - If either SDQ19,SDQ20 is present, then all are required
9. P2122 - If either SDQ21,SDQ22 is present, then all are required

Semantics:

1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

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

L3   **Total Weight and Charges**

Pos: 010	**Max: 1**
Summary - Optional	
Loop: N/A	**Elements: 15**

User Option (Usage): Used

To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L301	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
L302	187	**Weight Qualifier** **Description:** Code defining the type of weight **All valid standard codes are used.**	X	ID	1/2	Used
L303	60	**Freight Rate** **Description:** Rate that applies to the specific commodity	X	R	1/9	Used
L304	122	**Rate/Value Qualifier** **Description:** Code qualifying how to extend charges or interpret value **All valid standard codes are used.**	X	ID	2/2	Used
L305	58	**Charge** **Description:** For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	O	N2	1/12	Used
L306	191	**Advances** **Description:** Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	O	N2	1/9	Used
L307	117	**Prepaid Amount** **Description:** Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	O	N2	1/9	Used
L308	150	**Special Charge or Allowance Code** **Description:** Code identifying type of special charge or allowance **All valid standard codes are used.**	O	ID	3/3	Used
L309	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used
L310	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
L311	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	O	N0	1/7	Used
L312	188	**Weight Unit Code** **Description:** Code specifying the weight unit	O	ID	1/1	Used

99

		All valid standard codes are used.				
L313	171	**Tariff Number** **Description:** Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O	AN	1/7	Used
L314	74	**Declared Value** **Description:** Monetary assigned value expressed in the standard monetary denomination for the currency specified	X	N2	2/12	Used
L315	122	**Rate/Value Qualifier** **Description:** Code qualifying how to extend charges or interpret value **All valid standard codes are used.**	X	ID	2/2	Used

Syntax:

1. P0102 - If either L301,L302 is present, then all are required
2. P0304 - If either L303,L304 is present, then all are required
3. P0910 - If either L309,L310 is present, then all are required
4. C1201 - If L312 is present, then all of L301 are required
5. P1415 - If either L314,L315 is present, then all are required

Semantics:

1. L305 is the total charges.

SE   **Transaction Set Trailer**

<div>
Pos: 020   Max: 1
Summary - Mandatory
Loop: N/A   Elements: 2
</div>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments** **Description:** Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Comments:

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

GE   **Functional Group Trailer**

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

User Option (Usage): Must use

To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included** **Description:** Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use
GE02	28	**Group Control Number** **Description:** Assigned number originated and maintained by the sender	M	N0	1/9	Must use

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

<table>
<tr><td>Pos: Max: 1</td></tr>
<tr><td>Not Defined - Mandatory</td></tr>
<tr><td>Loop: N/A   Elements: 2</td></tr>
</table>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups** **Description:** A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	**Interchange Control Number** **Description:** A control number assigned by the interchange sender	M	N0	9/9	Must use