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210 Motor Carrier Freight Details and Invoice

Functional Group=**IM**

Purpose: 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.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	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
<u>LOOP ID - 0100</u>					<u>10</u>		
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
<u>LOOP ID - 0200</u>					<u>10</u>		
160	N7	Equipment Details	O	1			Used
170	M7	Seal Numbers	O	2			Used
<u>LOOP ID - 0250</u>					<u>999999</u>		
180	SPO	Shipment Purchase Order Detail	O	1			Used
185	SDQ	Destination Quantity	O	10			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<u>LOOP ID - 0300</u>					<u>999</u>	<u>N2/010L</u>	
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
<u>LOOP ID - 0305</u>					<u>999999</u>		

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
045	SPO	Shipment Purchase Order Detail	O	1			Used
047	SDQ	Destination Quantity	O	10			Used
<u>LOOP ID - 0310</u>					<u>2</u>		
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
<u>LOOP ID - 0320</u>					<u>10</u>		
100	N7	Equipment Details	O	1			Used
110	M7	Seal Numbers	O	2			Used
<u>LOOP ID - 0400</u>					<u>9999</u>		
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
<u>LOOP ID - 0430</u>					<u>999999</u>		
220	SPO	Shipment Purchase Order Detail	O	1			Used
230	SDQ	Destination Quantity	O	10			Used
<u>LOOP ID - 0460</u>					<u>999999</u>	<u>N2/240L</u>	
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
<u>LOOP ID - 0463</u>					<u>999999</u>		
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

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - 0465					999999		
350	SPO	Shipment Purchase Order Detail	O	1			Used
360	SDQ	Destination Quantity	O	10			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	L3	Total Weight and Charges	O	1			Used
020	SE	Transaction Set 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.

ST Transaction Set Header

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

User Option (Usage): Must use

Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
Description: Code uniquely identifying a Transaction Set						
All valid standard codes are used. (Total Codes: 298)						
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

B3 Beginning Segment for Carrier's Invoice

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

User Option (Usage): Must use

Purpose: To transmit basic data relating to the carrier's invoice

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B301	147	Shipment Qualifier	O	ID	1/1	Used
		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. (Total Codes: 35)				
B302	76	Invoice Number	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer				
B303	145	Shipment Identification Number	O	AN	1/30	Used
		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)				
B304	146	Shipment Method of Payment	M	ID	2/2	Must use
		Description: Code identifying payment terms for transportation charges All valid standard codes are used. (Total Codes: 28)				
B305	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit All valid standard codes are used. (Total Codes: 8)				
B306	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
B307	193	Net Amount Due	M	N2	1/12	Must use
		Description: Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified				
B308	202	Correction Indicator	O	ID	2/2	Used
		Description: Code used to indicate that the transaction set contains information which corrects previous information All valid standard codes are used. (Total Codes: 36)				
B309	32	Delivery Date	X	DT	8/8	Used
		Description: Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD				
B310	374	Date/Time Qualifier	X	ID	3/3	Used
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used. (Total Codes: 1112)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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. (Total Codes: 79)				
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. (Total Codes: 25)				

Syntax Rules:

1. P0910 - If either B309 or B310 is present, then the other is 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

Pos: 030	Max: 1
Heading - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used

Purpose: To specify data required for electronic payment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C201	8	Bank Client Code	M	ID	1/1	Must use
		Description: Code identifying payee or payer				
		All valid standard codes are used. (Total Codes: 2)				
C202	66	Identification Code Qualifier	M	ID	1/2	Must use
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		All valid standard codes are used. (Total Codes: 215)				
C203	67	Identification Code	M	AN	2/80	Must use
		Description: Code identifying a party or other code				
C204	20	Client Bank Number	O	AN	3/9	Used
		Description: Federal Reserve Routing Code				
C205	7	Bank Account Number	O	AN	6/17	Used
		Description: ID number assigned by bank to its client				
C206	107	Payment Method Code	O	ID	1/2	Used
		Description: Code identifying type of payment procedures				
		All valid standard codes are used. (Total Codes: 37)				
C207	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				

Comments:

1. C207 is the effective payment date.

C3 Currency

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

User Option (Usage): Used

Purpose: To specify the currency being used in the transaction set

Element Summary:

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

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.

ITD Terms of Sale/Deferred Terms of Sale

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

User Option (Usage): Used

Purpose: To specify terms of sale

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD01	336	Terms Type Code	O	ID	2/2	Used
		Description: Code identifying type of payment terms All valid standard codes are used. (Total Codes: 65)				
ITD02	333	Terms Basis Date Code	O	ID	1/2	Used
		Description: Code identifying the beginning of the terms period All valid standard codes are used. (Total Codes: 17)				
ITD03	338	Terms Discount Percent	O	R	1/6	Used
		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				
ITD04	370	Terms Discount Due Date	X	DT	8/8	Used
		Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD				
ITD05	351	Terms Discount Days Due	X	N0	1/3	Used
		Description: Number of days in the terms discount period by which payment is due if terms discount is earned				
ITD06	446	Terms Net Due Date	O	DT	8/8	Used
		Description: Date when total invoice amount becomes due expressed in format CCYYMMDD				
ITD07	386	Terms Net Days	O	N0	1/3	Used
		Description: Number of days until total invoice amount is due (discount not applicable)				
ITD08	362	Terms Discount Amount	O	N2	1/10	Used
		Description: Total amount of terms discount				
ITD09	388	Terms Deferred Due Date	O	DT	8/8	Used
		Description: Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD				
ITD10	389	Deferred Amount Due	X	N2	1/10	Used
		Description: Deferred amount due for payment				
ITD11	342	Percent of Invoice Payable	X	R	1/5	Used
		Description: Amount of invoice payable expressed in percent				
ITD12	352	Description	O	AN	1/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: A free-form description to clarify the related data elements and their content				
ITD13	765	Day of Month	X	NO	1/2	Used
		Description: The numeric value of the day of the month between 1 and the maximum day of the month being referenced				
ITD14	107	Payment Method Code	O	ID	1/2	Used
		Description: Code identifying type of payment procedures				
		All valid standard codes are used. (Total Codes: 37)				
ITD15	954	Percent	O	R	1/10	Used
		Description: Percentage expressed as a decimal				

Syntax Rules:

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

Semantics:

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

Comments:

1. If the code in ITD01 is "04", then 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

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N902	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				
N903	369	Free-form Description	X	AN	1/45	Used
		Description: Free-form descriptive text				
N904	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
N905	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)				
N906	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. (Total Codes: 51)				
N907	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
N907-01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-02	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-03	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N907-04	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				
N907-05	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-06	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6201	432	Date Qualifier	X	ID	2/2	Used
		Description: Code specifying type of date All valid standard codes are used. (Total Codes: 137)				
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. (Total Codes: 42)				
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. (Total Codes: 51)				

Syntax Rules:

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

R3 Route Information - Motor

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

User Option (Usage): Used

Purpose: To specify carrier and routing sequences and details

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R301	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
R302	133	Routing Sequence Code	M	ID	1/2	Must use
		Description: Code describing the relationship of a carrier to a specific shipment movement All valid standard codes are used. (Total Codes: 23)				
R303	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
R304	91	Transportation Method/Type Code	O	ID	1/2	Used
		Description: Code specifying the method or type of transportation for the shipment All valid standard codes are used. (Total Codes: 71)				
R305	154	Standard Point Location Code	O	ID	6/9	Used
		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				
R306	76	Invoice Number	O	AN	1/22	Used
		Description: Identifying number assigned by issuer				
R307	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
R308	610	Amount	O	N2	1/15	Used
		Description: Monetary amount				
R309	369	Free-form Description	O	AN	1/45	Used
		Description: Free-form descriptive text				
R310	284	Service Level Code	X	ID	2/2	Used
		Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier All valid standard codes are used. (Total Codes: 66)				
R311	284	Service Level Code	X	ID	2/2	Used
		Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier All valid standard codes are used. (Total Codes: 66)				
R312	284	Service Level Code	O	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier				
		All valid standard codes are used. (Total Codes: 66)				

Syntax Rules:

1. C1110 - If R311 is present, then R310 is required.
2. C1211 - If R312 is present, then R311 is 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

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H301	152	Special Handling Code	X	ID	2/3	Used
		Description: Code specifying special transportation handling instructions All valid standard codes are used. (Total Codes: 526)				
H302	153	Special Handling Description	X	AN	2/30	Used
		Description: Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate				
H303	241	Protective Service Code	O	ID	1/4	Used
		Description: Code specifying perishable protective service- rail carriers only All valid standard codes are used. (Total Codes: 9)				
H304	242	Vent Instruction Code	O	ID	1/7	Used
		Description: Code specifying vent instructions All valid standard codes are used. (Total Codes: 8)				
H305	257	Tariff Application Code	O	ID	1/1	Used
		Description: Code indicating to which traffic a tariff applies All valid standard codes are used. (Total Codes: 10)				

Syntax Rules:

1. E0102 - Only one of H301 or H302 may be present.

K1 Remarks

Pos: 100	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

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

Element Summary:

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

Loop Name

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

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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

Pos: 110	Max: 1
Heading - Optional	
Loop: 0100	Elements: 6

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used. (Total Codes: 1312)				
N102	93	Name	X	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		All valid standard codes are used. (Total Codes: 215)				
N104	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
N105	706	Entity Relationship Code	O	ID	2/2	Used
		Description: Code describing entity relationship				
		All valid standard codes are used. (Total Codes: 96)				
N106	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used. (Total Codes: 1312)				

Syntax Rules:

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

Comments:

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

N2 Additional Name Information

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

User Option (Usage): Used

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

Element Summary:

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

N3 Address Information

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

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

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

N4 Geographic Location

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

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
N405	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location				
		All valid standard codes are used. (Total Codes: 172)				
N406	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

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

Comments:

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

N9 Reference Identification

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

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N902	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				
N903	369	Free-form Description	X	AN	1/45	Used
		Description: Free-form descriptive text				
N904	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
N905	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)				
N906	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. (Total Codes: 51)				
N907	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
N907-01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-02	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-03	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N907-04	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				
N907-05	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-06	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

Loop Equipment Details

Pos: 160	Repeat: 10
Optional	
Loop: 0200	Elements: N/A

User Option (Usage): Used

Purpose: To identify the equipment

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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

Purpose: To identify the equipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N701	206	Equipment Initial	O	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
N702	207	Equipment Number	M	AN	1/10	Must use
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
N703	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
N704	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight All valid standard codes are used. (Total Codes: 51)				
N705	167	Tare Weight	X	N0	3/8	Used
		Description: Weight of the equipment				
N706	232	Weight Allowance	O	N0	2/6	Used
		Description: Allowance made for increased weight due to such factors as snow				
N707	205	Dunnage	O	N0	1/6	Used
		Description: Weight of material used to protect lading (even bracings, false floors, etc.)				
N708	183	Volume	X	R	1/8	Used
		Description: Value of volumetric measure				
N709	184	Volume Unit Qualifier	X	ID	1/1	Used
		Description: Code identifying the volume unit All valid standard codes are used. (Total Codes: 16)				
N710	102	Ownership Code	O	ID	1/1	Used
		Description: Code indicating the relationship of equipment to carrier or ownership of equipment All valid standard codes are used. (Total Codes: 5)				
N711	40	Equipment Description Code	O	ID	2/2	Used
		Description: Code identifying type of equipment used for shipment All valid standard codes are used. (Total Codes: 134)				
N712	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N713	319	Temperature Control	O	AN	3/6	Used
		Description: Free-form abbreviation of temperature range or flash-point temperature				
N714	219	Position	O	AN	1/3	Used
		Description: Relative position of shipment in car, trailer, or container (mutually defined)				
N715	567	Equipment Length	O	N0	4/5	Used
		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)				
N716	571	Tare Qualifier Code	X	ID	1/1	Used
		Description: Code identifying the type of tare				
		All valid standard codes are used. (Total Codes: 2)				
N717	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit				
		All valid standard codes are used. (Total Codes: 8)				
N718	761	Equipment Number Check Digit	O	N0	1/1	Used
		Description: Number which designates the check digit applied to a piece of equipment				
N719	56	Type of Service Code	O	ID	2/2	Used
		Description: Code specifying extent of transportation service requested				
		All valid standard codes are used. (Total Codes: 18)				
N720	65	Height	O	R	1/8	Used
		Description: Vertical dimension of an object measured when the object is in the upright position				
N721	189	Width	O	R	1/8	Used
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
N722	24	Equipment Type	O	ID	4/4	Used
		Description: Code identifying equipment type				
N723	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
N724	301	Car Type Code	O	ID	1/4	Used
		Description: Code specifying type of rail car or intermodal equipment type and its general characteristics				

Syntax Rules:

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

Pos: 170	Max: 2
Heading - Optional	
Loop: 0200	Elements: 5

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M701	225	Seal Number	M	AN	2/15	Must use
		Description: Unique number on seal used to close a shipment				
M702	225	Seal Number	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				
M703	225	Seal Number	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				
M704	225	Seal Number	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				
M705	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used. (Total Codes: 1312)				

Comments:

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

Loop Shipment Purchase Order Detail

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

User Option (Usage): Used

Purpose: To specify the purchase order details for a shipment

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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

Purpose: To specify the purchase order details for a shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SPO01	324	Purchase Order Number	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
SPO02	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SPO03	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used. (Total Codes: 794)				
SPO04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SPO05	188	Weight Unit Code	X	ID	1/1	Used
		Description: Code specifying the weight unit				
		All valid standard codes are used. (Total Codes: 8)				
SPO06	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
SPO07	647	Application Error Condition Code	O	ID	1/3	Used
		Description: Code indicating application error condition				
		All valid standard codes are used. (Total Codes: 162)				
SPO08	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0304 - If either SPO03 or SPO04 is present, then the other is required.
2. P0506 - If either SPO05 or SPO06 is present, then the other is 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: 185	Max: 10
Heading - Optional	
Loop: 0250	Elements: 23

User Option (Usage): Used

Purpose: To specify destination and quantity detail

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used. (Total Codes: 794)				
SDQ02	66	Identification Code Qualifier	O	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		All valid standard codes are used. (Total Codes: 215)				
SDQ03	67	Identification Code	M	AN	2/80	Must use
		Description: Code identifying a party or other code				
SDQ04	380	Quantity	M	R	1/15	Must use
		Description: Numeric value of quantity				
SDQ05	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ06	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ07	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ08	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ09	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ10	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ11	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ12	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ13	67	Identification Code	X	AN	2/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying a party or other code				
SDQ14	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ15	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ16	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ17	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ18	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ19	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ20	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ21	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ22	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ23	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

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

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

User Option (Usage): Used

Purpose: To specify stop-off detail reference numbers and stop reason

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	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

Pos: 010	Max: 1
Detail - Optional	
Loop: 0300	Elements: 11

User Option (Usage): Used

Purpose: To specify stop-off detail reference numbers and stop reason

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
S501	165	Stop Sequence Number	M	N0	1/3	Must use
		Description: Identifying number for the specific stop and the sequence in which the stop is to be performed				
S502	163	Stop Reason Code	M	ID	2/2	Must use
		Description: Code specifying the reason for the stop All valid standard codes are used. (Total Codes: 19)				
S503	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
S504	188	Weight Unit Code	X	ID	1/1	Used
		Description: Code specifying the weight unit All valid standard codes are used. (Total Codes: 8)				
S505	382	Number of Units Shipped	X	R	1/10	Used
		Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set				
S506	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used. (Total Codes: 794)				
S507	183	Volume	X	R	1/8	Used
		Description: Value of volumetric measure				
S508	184	Volume Unit Qualifier	X	ID	1/1	Used
		Description: Code identifying the volume unit All valid standard codes are used. (Total Codes: 16)				
S509	352	Description	O	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
S510	154	Standard Point Location Code	O	ID	6/9	Used
		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				
S511	190	Accomplish Code	O	ID	1/1	Used
		Description: Code indicating the status of a specified stop All valid standard codes are used. (Total Codes: 2)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Syntax Rules:

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

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N902	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				
N903	369	Free-form Description	X	AN	1/45	Used
		Description: Free-form descriptive text				
N904	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
N905	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)				
N906	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. (Total Codes: 51)				
N907	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
N907-01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-02	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-03	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N907-04	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				
N907-05	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-06	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is 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: 030	Max: 10
Detail - Optional	
Loop: 0300	Elements: 5

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6201	432	Date Qualifier	X	ID	2/2	Used
		Description: Code specifying type of date All valid standard codes are used. (Total Codes: 137)				
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. (Total Codes: 42)				
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. (Total Codes: 51)				

Syntax Rules:

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

H3 Special Handling Instructions

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

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H301	152	Special Handling Code	X	ID	2/3	Used
		Description: Code specifying special transportation handling instructions All valid standard codes are used. (Total Codes: 526)				
H302	153	Special Handling Description	X	AN	2/30	Used
		Description: Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate				
H303	241	Protective Service Code	O	ID	1/4	Used
		Description: Code specifying perishable protective service- rail carriers only All valid standard codes are used. (Total Codes: 9)				
H304	242	Vent Instruction Code	O	ID	1/7	Used
		Description: Code specifying vent instructions All valid standard codes are used. (Total Codes: 8)				
H305	257	Tariff Application Code	O	ID	1/1	Used
		Description: Code indicating to which traffic a tariff applies All valid standard codes are used. (Total Codes: 10)				

Syntax Rules:

1. E0102 - Only one of H301 or H302 may be present.

Loop Shipment Purchase Order Detail

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

User Option (Usage): Used

Purpose: To specify the purchase order details for a shipment

Loop Summary:

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

SPO Shipment Purchase Order Detail

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

User Option (Usage): Used

Purpose: To specify the purchase order details for a shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SPO01	324	Purchase Order Number	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
SPO02	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SPO03	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used. (Total Codes: 794)				
SPO04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SPO05	188	Weight Unit Code	X	ID	1/1	Used
		Description: Code specifying the weight unit				
		All valid standard codes are used. (Total Codes: 8)				
SPO06	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
SPO07	647	Application Error Condition Code	O	ID	1/3	Used
		Description: Code indicating application error condition				
		All valid standard codes are used. (Total Codes: 162)				
SPO08	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0304 - If either SPO03 or SPO04 is present, then the other is required.
2. P0506 - If either SPO05 or SPO06 is present, then the other is 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: 047 Max: 10
 Detail - Optional
 Loop: 0305 Elements: 23

User Option (Usage): Used

Purpose: To specify destination and quantity detail

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used. (Total Codes: 794)				
SDQ02	66	Identification Code Qualifier	O	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used. (Total Codes: 215)				
SDQ03	67	Identification Code	M	AN	2/80	Must use
		Description: Code identifying a party or other code				
SDQ04	380	Quantity	M	R	1/15	Must use
		Description: Numeric value of quantity				
SDQ05	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ06	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ07	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ08	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ09	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ10	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ11	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ12	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ13	67	Identification Code	X	AN	2/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying a party or other code				
SDQ14	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ15	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ16	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ17	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ18	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ19	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ20	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ21	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ22	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ23	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

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

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

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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

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

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used. (Total Codes: 1312)				
N102	93	Name	X	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used. (Total Codes: 215)				
N104	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
N105	706	Entity Relationship Code	O	ID	2/2	Used
		Description: Code describing entity relationship All valid standard codes are used. (Total Codes: 96)				
N106	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used. (Total Codes: 1312)				

Syntax Rules:

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

Comments:

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

N2 Additional Name Information

Pos: 060	Max: 1
Detail - Optional	
Loop: 0310	Elements: 2

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
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

Purpose: To specify the location of the named party

Element Summary:

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

N4 Geographic Location

Pos: 080	Max: 1
Detail - Optional	
Loop: 0310	Elements: 6

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
N405	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location				
		All valid standard codes are used. (Total Codes: 172)				
N406	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

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

Comments:

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

N9 Reference Identification

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

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N902	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				
N903	369	Free-form Description	X	AN	1/45	Used
		Description: Free-form descriptive text				
N904	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
N905	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)				
N906	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. (Total Codes: 51)				
N907	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
N907-01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-02	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-03	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N907-04	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				
N907-05	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-06	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

Loop Equipment Details

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

User Option (Usage): Used

Purpose: To identify the equipment

Loop Summary:

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

N7 Equipment Details

Pos: 100	Max: 1
Detail - Optional	
Loop: 0320	Elements: 24

User Option (Usage): Used

Purpose: To identify the equipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N701	206	Equipment Initial	O	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
N702	207	Equipment Number	M	AN	1/10	Must use
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
N703	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
N704	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight				
		All valid standard codes are used. (Total Codes: 51)				
N705	167	Tare Weight	X	N0	3/8	Used
		Description: Weight of the equipment				
N706	232	Weight Allowance	O	N0	2/6	Used
		Description: Allowance made for increased weight due to such factors as snow				
N707	205	Dunnage	O	N0	1/6	Used
		Description: Weight of material used to protect lading (even bracings, false floors, etc.)				
N708	183	Volume	X	R	1/8	Used
		Description: Value of volumetric measure				
N709	184	Volume Unit Qualifier	X	ID	1/1	Used
		Description: Code identifying the volume unit				
		All valid standard codes are used. (Total Codes: 16)				
N710	102	Ownership Code	O	ID	1/1	Used
		Description: Code indicating the relationship of equipment to carrier or ownership of equipment				
		All valid standard codes are used. (Total Codes: 5)				
N711	40	Equipment Description Code	O	ID	2/2	Used
		Description: Code identifying type of equipment used for shipment				
		All valid standard codes are used. (Total Codes: 134)				
N712	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N713	319	Temperature Control	O	AN	3/6	Used
		Description: Free-form abbreviation of temperature range or flash-point temperature				
N714	219	Position	O	AN	1/3	Used
		Description: Relative position of shipment in car, trailer, or container (mutually defined)				
N715	567	Equipment Length	O	N0	4/5	Used
		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)				
N716	571	Tare Qualifier Code	X	ID	1/1	Used
		Description: Code identifying the type of tare All valid standard codes are used. (Total Codes: 2)				
N717	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit All valid standard codes are used. (Total Codes: 8)				
N718	761	Equipment Number Check Digit	O	N0	1/1	Used
		Description: Number which designates the check digit applied to a piece of equipment				
N719	56	Type of Service Code	O	ID	2/2	Used
		Description: Code specifying extent of transportation service requested All valid standard codes are used. (Total Codes: 18)				
N720	65	Height	O	R	1/8	Used
		Description: Vertical dimension of an object measured when the object is in the upright position				
N721	189	Width	O	R	1/8	Used
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
N722	24	Equipment Type	O	ID	4/4	Used
		Description: Code identifying equipment type				
N723	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
N724	301	Car Type Code	O	ID	1/4	Used
		Description: Code specifying type of rail car or intermodal equipment type and its general characteristics				

Syntax Rules:

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

Pos: 110	Max: 2
Detail - Optional	
Loop: 0320	Elements: 5

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M701	225	Seal Number	M	AN	2/15	Must use
		Description: Unique number on seal used to close a shipment				
M702	225	Seal Number	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				
M703	225	Seal Number	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				
M704	225	Seal Number	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				
M705	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used. (Total Codes: 1312)				

Comments:

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

Loop Assigned Number

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

User Option (Usage): Used

Purpose: To reference a line number in a transaction set

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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

Pos: 120	Max: 1
Detail - Optional	
Loop: 0400	Elements: 1

User Option (Usage): Used

Purpose: To reference a line number in a transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LX01	554	Assigned Number	M	NO	1/6	Must use

Description: Number assigned for differentiation within a transaction set

N9 Reference Identification

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

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N902	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				
N903	369	Free-form Description	X	AN	1/45	Used
		Description: Free-form descriptive text				
N904	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
N905	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)				
N906	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. (Total Codes: 51)				
N907	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
N907-01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-02	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-03	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N907-04	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				
N907-05	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-06	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Pos: 137	Max: 1
Detail - Optional	
Loop: 0400	Elements: 3

User Option (Usage): Used

Purpose: To provide proof of delivery

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
POD01	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
POD02	337	Time	O	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)				
POD03	93	Name	M	AN	1/60	Must use
		Description: Free-form name				

L5 Description, Marks and Numbers

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

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L501	213	Lading Line Item Number	O	NO	1/3	Used
		Description: Sequential line number for a lading item				
L502	79	Lading Description	O	AN	1/50	Used
		Description: Description of an item as required for rating and billing purposes				
L503	22	Commodity Code	X	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
L504	23	Commodity Code Qualifier	X	ID	1/1	Used
		Description: Code identifying the commodity coding system used for Commodity Code All valid standard codes are used. (Total Codes: 23)				
L505	103	Packaging Code	O	AN	3/5	Used
		Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required All valid standard codes are used. (Total Codes: 203)				
L506	87	Marks and Numbers	X	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
L507	88	Marks and Numbers Qualifier	O	ID	1/2	Used
		Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used. (Total Codes: 20)				
L508	23	Commodity Code Qualifier	X	ID	1/1	Used
		Description: Code identifying the commodity coding system used for Commodity Code All valid standard codes are used. (Total Codes: 23)				
L509	22	Commodity Code	X	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
L510	595	Compartment ID Code	O	ID	1/1	Used
		Description: Code identifying the compartment in a compartmentalized tank car All valid standard codes are used. (Total Codes: 6)				

Syntax Rules:

1. P0304 - If either L503 or L504 is present, then the other is required.
2. C0706 - If L507 is present, then L506 is required.
3. P0809 - If either L508 or L509 is present, then the other is required.

Comments:

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

H1 Hazardous Material

Pos: 150	Max: 3
Detail - Optional	
Loop: 0400	Elements: 9

User Option (Usage): Used

Purpose: To specify information relative to hazardous material

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H101	62	Hazardous Material Code	M	AN	4/10	Must use
		Description: Code relating to hazardous material code qualifier for regulated hazardous materials				
H102	209	Hazardous Material Class Code	O	AN	1/4	Used
		Description: Code specifying the kind of hazard for a material				
H103	208	Hazardous Material Code Qualifier	O	ID	1/1	Used
		Description: Code which qualifies the Hazardous Material Class Code (209)				
		All valid standard codes are used. (Total Codes: 13)				
H104	64	Hazardous Material Description	O	AN	2/30	Used
		Description: Material name, special instructions, and phone number if any				
H105	63	Hazardous Material Contact	O	AN	1/24	Used
		Description: Phone number and name of person or department to contact in case of emergency				
H106	200	Hazardous Materials Page	O	AN	1/6	Used
		Description: The United Nations page number as required for the international transport of hazardous materials				
H107	77	Flashpoint Temperature	X	N	1/3	Used
		Description: The flashpoint temperature for hazardous material				
H108	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used. (Total Codes: 794)				
H109	254	Packing Group Code	O	ID	1/3	Used
		Description: Code indicating degree of danger in terms of Roman number I, II or III				

Syntax Rules:

1. P0708 - If either H107 or H108 is present, then the other is 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

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H201	64	Hazardous Material Description	M	AN	2/30	Must use

Description: Material name, special instructions, and phone number if any

H202	274	Hazardous Material Classification	O	AN	1/30	Used
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Description: Free-form description of hazardous material classification or division or label requirements

L0 Line Item - Quantity and Weight

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

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L001	213	Lading Line Item Number	O	N0	1/3	Used
		Description: Sequential line number for a lading item				
L002	220	Billed/Rated-as Quantity	X	R	1/11	Used
		Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81				
L003	221	Billed/Rated-as Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of quantity or value on which the rate or item pricing is based				
		All valid standard codes are used. (Total Codes: 47)				
L004	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
L005	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight				
		All valid standard codes are used. (Total Codes: 51)				
L006	183	Volume	X	R	1/8	Used
		Description: Value of volumetric measure				
L007	184	Volume Unit Qualifier	X	ID	1/1	Used
		Description: Code identifying the volume unit				
		All valid standard codes are used. (Total Codes: 16)				
L008	80	Lading Quantity	X	N0	1/7	Used
		Description: Number of units (pieces) of the lading commodity				
L009	211	Packaging Form Code	X	ID	3/3	Used
		Description: Code for packaging form of the lading quantity				
		All valid standard codes are used. (Total Codes: 134)				
L010	458	Dunnage Description	O	AN	2/25	Used
		Description: Material used to protect lading				
L011	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit				
		All valid standard codes are used. (Total Codes: 8)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L012	56	Type of Service Code	O	ID	2/2	Used
		Description: Code specifying extent of transportation service requested All valid standard codes are used. (Total Codes: 18)				
L013	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
L014	211	Packaging Form Code	O	ID	3/3	Used
		Description: Code for packaging form of the lading quantity All valid standard codes are used. (Total Codes: 134)				
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. (Total Codes: 4)				

Syntax Rules:

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

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L101	213	Lading Line Item Number	O	N0	1/3	Used
		Description: Sequential line number for a lading item				
L102	60	Freight Rate	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
L103	122	Rate/Value Qualifier	X	ID	2/2	Used
		Description: Code qualifying how to extend charges or interpret value				
		All valid standard codes are used. (Total Codes: 163)				
L104	58	Charge	X	N2	1/12	Used
		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				
L105	191	Advances	X	N2	1/9	Used
		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				
L106	117	Prepaid Amount	X	N2	1/9	Used
		Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified				
L107	120	Rate Combination Point Code	O	AN	3/9	Used
		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. (Total Codes: 4)				
L108	150	Special Charge or Allowance Code	O	ID	3/3	Used
		Description: Code identifying type of special charge or allowance				
		All valid standard codes are used. (Total Codes: 1073)				
L109	121	Rate Class Code	O	ID	1/3	Used
		Description: Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k				
		All valid standard codes are used. (Total Codes: 25)				
L110	39	Entitlement Code	O	ID	1/1	Used
		Description: Code identifying entitlement party				
		All valid standard codes are used. (Total Codes: 8)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L111	16	Charge Method of Payment	O	ID	1/1	Used
		Description: Code defining method of payment				
		All valid standard codes are used. (Total Codes: 6)				
L112	276	Special Charge Description	O	AN	2/25	Used
		Description: Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150				
L113	257	Tariff Application Code	O	ID	1/1	Used
		Description: Code indicating to which traffic a tariff applies				
		All valid standard codes are used. (Total Codes: 10)				
L114	74	Declared Value	X	N2	2/12	Used
		Description: Monetary assigned value expressed in the standard monetary denomination for the currency specified				
L115	122	Rate/Value Qualifier	X	ID	2/2	Used
		Description: Code qualifying how to extend charges or interpret value				
		All valid standard codes are used. (Total Codes: 163)				
L116	372	Lading Liability Code	O	ID	1/1	Used
		Description: Code identifying limits of liability				
		All valid standard codes are used. (Total Codes: 2)				
L117	220	Billed/Rated-as Quantity	X	R	1/11	Used
		Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81				
L118	221	Billed/Rated-as Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of quantity or value on which the rate or item pricing is based				
		All valid standard codes are used. (Total Codes: 47)				
L119	954	Percent	O	R	1/10	Used
		Description: Percentage expressed as a decimal				
L120	100	Currency Code	O	ID	3/3	Used
		Description: Code (Standard ISO) for country in whose currency the charges are specified				
L121	610	Amount	O	N2	1/15	Used
		Description: Monetary amount				

Syntax Rules:

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

Pos: 190	Max: 10
Detail - Optional	
Loop: 0400	Elements: 6

User Option (Usage): Used

Purpose: To describe physical dimensions and quantities

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L401	82	Length	M	R	1/8	Must use
		Description: Largest horizontal dimension of an object measured when the object is in the upright position				
L402	189	Width	M	R	1/8	Must use
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
L403	65	Height	M	R	1/8	Must use
		Description: Vertical dimension of an object measured when the object is in the upright position				
L404	90	Measurement Unit Qualifier	M	ID	1/1	Must use
		Description: Code specifying the linear dimensional unit All valid standard codes are used. (Total Codes: 4)				
L405	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
L406	1271	Industry Code	O	AN	1/30	Used
		Description: Code indicating a code from a specific industry code list				

Semantics:

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

L7 Tariff Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: 0400	Elements: 16

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L701	213	Lading Line Item Number	O	NO	1/3	Used
		Description: Sequential line number for a lading item				
L702	168	Tariff Agency Code	O	ID	1/4	Used
		Description: Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment				
L703	171	Tariff Number	O	AN	1/7	Used
		Description: Standard tariff number for the tariff which governs the rates applied to the commodity item(s)				
L704	172	Tariff Section	O	AN	1/2	Used
		Description: Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff				
L705	169	Tariff Item Number	O	AN	1/16	Used
		Description: Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment				
L706	170	Tariff Item Part	O	NO	1/2	Used
		Description: Number assigned to subsection of a specific tariff item (arbitrary)				
L707	59	Freight Class Code	O	AN	2/5	Used
		Description: Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.				
L708	173	Tariff Supplement Identifier	O	AN	1/4	Used
		Description: Identifier for the tariff supplement which contains the rate used				
L709	46	Ex Parte	O	AN	4/4	Used
		Description: Level of rates as published in the tariff				
L710	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
L711	119	Rate Basis Number	O	AN	1/6	Used
		Description: The (mileage) factor published for rating purposes in the appropriate tariff				
L712	227	Tariff Column	O	AN	1/2	Used
		Description: A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications				
L713	294	Tariff Distance	O	NO	1/5	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Distance on which the rate for a shipment is based				
L714	295	Distance Qualifier	O	ID	1/1	Used
		Description: Code identifying the distance unit All valid standard codes are used. (Total Codes: 9)				
L715	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
L716	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				

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

Pos: 210	Max: 10
Detail - Optional	
Loop: 0400	Elements: 2

User Option (Usage): Used

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

Element Summary:

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

Loop Shipment Purchase Order Detail

Pos: 220	Repeat: 999999
Optional	
Loop: 0430 Elements: N/A	

User Option (Usage): Used

Purpose: To specify the purchase order details for a shipment

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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

Purpose: To specify the purchase order details for a shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SPO01	324	Purchase Order Number	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
SPO02	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SPO03	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used. (Total Codes: 794)				
SPO04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SPO05	188	Weight Unit Code	X	ID	1/1	Used
		Description: Code specifying the weight unit				
		All valid standard codes are used. (Total Codes: 8)				
SPO06	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
SPO07	647	Application Error Condition Code	O	ID	1/3	Used
		Description: Code indicating application error condition				
		All valid standard codes are used. (Total Codes: 162)				
SPO08	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0304 - If either SPO03 or SPO04 is present, then the other is required.
2. P0506 - If either SPO05 or SPO06 is present, then the other is 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

Purpose: To specify destination and quantity detail

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used. (Total Codes: 794)				
SDQ02	66	Identification Code Qualifier	O	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used. (Total Codes: 215)				
SDQ03	67	Identification Code	M	AN	2/80	Must use
		Description: Code identifying a party or other code				
SDQ04	380	Quantity	M	R	1/15	Must use
		Description: Numeric value of quantity				
SDQ05	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ06	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ07	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ08	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ09	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ10	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ11	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ12	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ13	67	Identification Code	X	AN	2/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying a party or other code				
SDQ14	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ15	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ16	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ17	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ18	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ19	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ20	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ21	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ22	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ23	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

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

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

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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

Pos: 240	Max: 1
Detail - Optional	
Loop: 0460	Elements: 6

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used. (Total Codes: 1312)				
N102	93	Name	X	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		All valid standard codes are used. (Total Codes: 215)				
N104	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
N105	706	Entity Relationship Code	O	ID	2/2	Used
		Description: Code describing entity relationship				
		All valid standard codes are used. (Total Codes: 96)				
N106	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used. (Total Codes: 1312)				

Syntax Rules:

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

Comments:

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

N2 Additional Name Information

Pos: 250	Max: 1
Detail - Optional	
Loop: 0460	Elements: 2

User Option (Usage): Used

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

Element Summary:

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

N3 Address Information

Pos: 260	Max: 2
Detail - Optional	
Loop: 0460	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

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

N4 Geographic Location

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

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
N405	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location				
		All valid standard codes are used. (Total Codes: 172)				
N406	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

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

Comments:

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

N9 Reference Identification

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

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N902	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				
N903	369	Free-form Description	X	AN	1/45	Used
		Description: Free-form descriptive text				
N904	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
N905	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)				
N906	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. (Total Codes: 51)				
N907	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
N907-01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-02	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-03	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N907-04	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				
N907-05	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-06	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

Loop Carton (Package) Detail

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

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
300	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

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CD301	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight All valid standard codes are used. (Total Codes: 51)				
CD302	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
CD303	619	Zone	O	AN	2/3	Used
		Description: To identify zone				
CD304	34	Service Standard	O	N1	1/4	Used
		Description: To report the time period of carrier's standard service for the shipment				
CD305	284	Service Level Code	X	ID	2/2	Used
		Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier All valid standard codes are used. (Total Codes: 66)				
CD306	108	Pick-up or Delivery Code	O	ID	1/2	Used
		Description: Specifies the location or type of pickup or delivery All valid standard codes are used. (Total Codes: 32)				
CD307	122	Rate/Value Qualifier	X	ID	2/2	Used
		Description: Code qualifying how to extend charges or interpret value All valid standard codes are used. (Total Codes: 163)				
CD308	58	Charge	X	N2	1/12	Used
		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				
CD309	122	Rate/Value Qualifier	X	ID	2/2	Used
		Description: Code qualifying how to extend charges or interpret value All valid standard codes are used. (Total Codes: 163)				
CD310	58	Charge	X	N2	1/12	Used
		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				
CD311	284	Service Level Code	X	ID	2/2	Used
		Description: Code indicating the level of transportation service or the billing service				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		offered by the transportation carrier All valid standard codes are used. (Total Codes: 66)				
CD312	284	Service Level Code	O	ID	2/2	Used
		Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier All valid standard codes are used. (Total Codes: 66)				
CD313	591	Payment Method Code	O	ID	3/3	Used
		Description: Code identifying the method for the movement of payment instructions All valid standard codes are used. (Total Codes: 54)				
CD314	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

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

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N902	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				
N903	369	Free-form Description	X	AN	1/45	Used
		Description: Free-form descriptive text				
N904	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
N905	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)				
N906	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. (Total Codes: 51)				
N907	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
N907-01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-02	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-03	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N907-04	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				
N907-05	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used. (Total Codes: 1503)				
N907-06	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Pos: 320	Max: 10
Detail - Optional	
Loop: 0463	Elements: 7

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H601	560	Special Services Code	X	ID	2/10	Used
		Description: Code identifying the special service All valid standard codes are used. (Total Codes: 168)				
H602	560	Special Services Code	O	ID	2/10	Used
		Description: Code identifying the special service All valid standard codes are used. (Total Codes: 168)				
H603	406	Quantity of Pallets Shipped	O	NO	1/3	Used
		Description: Number of pallets shipped				
H604	399	Pallet Exchange Code	O	ID	1/1	Used
		Description: Code specifying pallet exchange instructions All valid standard codes are used. (Total Codes: 5)				
H605	81	Weight	O	R	1/10	Used
		Description: Numeric value of weight				
H606	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit All valid standard codes are used. (Total Codes: 8)				
H607	108	Pick-up or Delivery Code	X	ID	1/2	Used
		Description: Specifies the location or type of pickup or delivery All valid standard codes are used. (Total Codes: 32)				

Syntax Rules:

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

Purpose: To specify special charge code and the associated monetary amount

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L901	150	Special Charge or Allowance Code	M	ID	3/3	Must use
		Description: Code identifying type of special charge or allowance All valid standard codes are used. (Total Codes: 1073)				
L902	782	Monetary Amount	M	R	1/18	Must use
		Description: Monetary amount				

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

Purpose: To provide proof of delivery

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
POD01	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
POD02	337	Time	O	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)				
POD03	93	Name	M	AN	1/60	Must use
		Description: Free-form name				

G62 Date/Time

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

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6201	432	Date Qualifier	X	ID	2/2	Used
		Description: Code specifying type of date All valid standard codes are used. (Total Codes: 137)				
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. (Total Codes: 42)				
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. (Total Codes: 51)				

Syntax Rules:

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

Loop Shipment Purchase Order Detail

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

User Option (Usage): Used

Purpose: To specify the purchase order details for a shipment

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
350	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

Purpose: To specify the purchase order details for a shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SPO01	324	Purchase Order Number	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
SPO02	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SPO03	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used. (Total Codes: 794)				
SPO04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SPO05	188	Weight Unit Code	X	ID	1/1	Used
		Description: Code specifying the weight unit				
		All valid standard codes are used. (Total Codes: 8)				
SPO06	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
SPO07	647	Application Error Condition Code	O	ID	1/3	Used
		Description: Code indicating application error condition				
		All valid standard codes are used. (Total Codes: 162)				
SPO08	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0304 - If either SPO03 or SPO04 is present, then the other is required.
2. P0506 - If either SPO05 or SPO06 is present, then the other is 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

Purpose: To specify destination and quantity detail

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used. (Total Codes: 794)				
SDQ02	66	Identification Code Qualifier	O	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used. (Total Codes: 215)				
SDQ03	67	Identification Code	M	AN	2/80	Must use
		Description: Code identifying a party or other code				
SDQ04	380	Quantity	M	R	1/15	Must use
		Description: Numeric value of quantity				
SDQ05	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ06	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ07	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ08	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ09	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ10	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ11	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ12	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ13	67	Identification Code	X	AN	2/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying a party or other code				
SDQ14	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ15	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ16	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ17	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ18	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ19	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ20	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ21	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ22	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ23	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

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

Purpose: 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L301	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
L302	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight				
		All valid standard codes are used. (Total Codes: 51)				
L303	60	Freight Rate	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
L304	122	Rate/Value Qualifier	X	ID	2/2	Used
		Description: Code qualifying how to extend charges or interpret value				
		All valid standard codes are used. (Total Codes: 163)				
L305	58	Charge	O	N2	1/12	Used
		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				
L306	191	Advances	O	N2	1/9	Used
		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				
L307	117	Prepaid Amount	O	N2	1/9	Used
		Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified				
L308	150	Special Charge or Allowance Code	O	ID	3/3	Used
		Description: Code identifying type of special charge or allowance				
		All valid standard codes are used. (Total Codes: 1073)				
L309	183	Volume	X	R	1/8	Used
		Description: Value of volumetric measure				
L310	184	Volume Unit Qualifier	X	ID	1/1	Used
		Description: Code identifying the volume unit				
		All valid standard codes are used. (Total Codes: 16)				
L311	80	Lading Quantity	O	N0	1/7	Used
		Description: Number of units (pieces) of the lading commodity				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L312	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit All valid standard codes are used. (Total Codes: 8)				
L313	171	Tariff Number	O	AN	1/7	Used
		Description: Standard tariff number for the tariff which governs the rates applied to the commodity item(s)				
L314	74	Declared Value	X	N2	2/12	Used
		Description: Monetary assigned value expressed in the standard monetary denomination for the currency specified				
L315	122	Rate/Value Qualifier	X	ID	2/2	Used
		Description: Code qualifying how to extend charges or interpret value All valid standard codes are used. (Total Codes: 163)				

Syntax Rules:

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

Semantics:

1. L305 is the total charges.

SE Transaction Set Trailer

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

User Option (Usage): Must use

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

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

Comments:

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