

210 Motor Carrier Freight Details and Invoice

X12/V4010/210 : 210 Motor Carrier Freight Details and Invoice

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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.

Not Defined:

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

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	B3	Beginning Segment for Carrier's Invoice	M	1			Must use
070	G62	Date/Time	O	6			Used
LOOP ID - 0100					10		
110	N1	Name	O	1			Used
130	N3	Address Information	O	2			Used
140	N4	Geographic Location	O	1			Used
110	N1	Name	O	1			Used
130	N3	Address Information	O	2			Used
140	N4	Geographic Location	O	1			Used
LOOP ID - 0200					10		
160	N7	Equipment Details	O	1			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>
LOOP ID - 0300					999	N2/010L	
010	S5	Stop Off Details	M	1		N2/010	Must use
LOOP ID - 0310					2		
050	N1	Name	M	1			Must use
070	N3	Address Information	M	2			Must use
080	N4	Geographic Location	M	1			Must use
LOOP ID - 0400					9999		
120	LX	Assigned Number	M	1			Must use
140	L5	Description, Marks and Numbers	M	30			Must use
170	L0	Line Item - Quantity and Weight	M	10			Must use
180	L1	Rate and Charges	M	10			Must use

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

Not Defined:

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

Notes:

- 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.

Simplot Note:

210 Single-Stop Example:

```

ST*210*0007~
B3**8207542*5639111*PP**20150831*127318**20150903*035*SCAC~
G62*11*20150831~
N1*SH*SHIPPER NAME~
N3*123 MAIN DR~
N4*LAREDO*TX*78041*US~
N1*CN*CONSIGNEE NAME~
N3*2554 DOWNING DR~
N4*FORT WORTH*TX*76106*US~
N7**37247*****~
S5*1*CL~
N1*SF*SHIP FROM NAME~
N3*123 MAIN DR~
N4*LAREDO*TX*78041*US~
S5*2*CU~
N1*ST*SHIP TO NAME~
N3*2554 DOWNING DR~
N4*FORT WORTH*TX*76106*US~
LX*1~
L5*1*ZLM-LINEHAUL MILES~
L0*1*433*DM*55578*G***2505*PCS~
L1*1*2.24*PM*96992~
LX*2~
L5*2*FUEL SURCHARGE MILEA~
L0*2*433*DM~
L1*2*.123*PM*5326****405****FUEL SURCHARGE MILEA~
LX*3~
L5*3*DTL-DETENTION LOADING~
L0*3*1*FR~
L1*3*250*FR*25000****DTL****DTL-DETENTION LOADING~
L3*42078*G***127318~
SE*34*0007~
    
```

210 Multi-Stop Example:

```

ST*210*0004~
B3**8292447*20826*PP**20151019*59378**20151021*035*SCAC~
G62*11*20151019~
    
```

N1*SH*SHIPPER NAME~
N3*123 MAIN DR~
N4*LAREDO*TX*78041*US~
N1*CN*CONSIGNEE NAME~
N3*2554 DOWNING DR~
N4*FORT WORTH*TX*76106*US~
N7**22167~
S5*1*PL~
N1*SF*SHIP FROM NAME~
N3*123 MAIN DR~
N4*LAREDO*TX*78123*US~
S5*2*CL~
N1*SF*SHIP FROM NAME~
N3*4231 PROFIT~
N4*SAN ANTONIO*TX*78219~
S5*3*CU~
N1*ST*SHIP TO NAME~
N3*2554 DOWNING DR~
N4*FORT WORTH*TX*76106*US~
LX*1~
L5*1*FROZEN FOODS~
L0*1*436*DM*42106*G***1696*PCS~
L1*1*1.03*PM*449.08~
LX*2~
L5*2*EXTRA STOP AT SAN ANTONIO~
L1*2*55*SP*5500****SOC~
LX*3~
L5*3*FUEL SURCHARGE-FRZ~
L1*3*0.3*FR*13080****405~
L3*42106*G***63488~
SE*34*0004~

ISA Interchange Control Header

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

User Option (Usage): Must use

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Authorization Information All valid standard codes are used. (Total Codes: 7)				
ISA02	I02	Authorization Information	M	AN	10/10	Must use
		Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)				
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Security Information All valid standard codes are used. (Total Codes: 2)				
ISA04	I04	Security Information	M	AN	10/10	Must use
		Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)				
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used. (Total Codes: 38)				
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
		Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element				
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used. (Total Codes: 38)				
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
		Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them				
ISA09	I08	Interchange Date	M	DT	6/6	Must use
		Description: Date of the interchange				
ISA10	I09	Interchange Time	M	TM	4/4	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Time of the interchange				
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use
		Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used. (Total Codes: 1)				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments All valid standard codes are used. (Total Codes: 14)				
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1) All valid standard codes are used. (Total Codes: 2)				
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information All valid standard codes are used. (Total Codes: 3)				
ISA16	I15	Component Element Separator	M		1/1	Must use
		Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

GS Functional Group Header

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

User Option (Usage): Must use

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

Element Summary:

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

Description: Code identifying a group of application related transaction sets

Code List Summary (Total Codes: 240, Included: 1)

Code Name

IM Motor Carrier Freight Details and Invoice (210, 980)

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

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

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

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

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

Description: Date expressed as CCYYMMDD

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

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

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

Description: Assigned number originated and maintained by the sender

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

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

All valid standard codes are used. (Total Codes: 2)

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

Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

Code List Summary (Total Codes: 39, Included: 1)

Code Name

004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board

<u>Code</u>	<u>Name</u>
	through October 1997

Semantics:

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

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

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

Code List Summary (Total Codes: 298, Included: 1)

Code Name

210 Motor Carrier Freight Details and Invoice

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: 9

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>
B302	76	Invoice Number	M	AN	1/22	Must use

Description: Identifying number assigned by issuer

Simplot Note: *Carrier Invoice Number*

B303	145	Shipment Identification Number	M	AN	1/30	Must use
------	-----	--------------------------------	---	----	------	----------

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)

Simplot Note: *Simplot Shipment or Load Number*

B304	146	Shipment Method of Payment	O	ID	2/2	Used
------	-----	----------------------------	---	----	-----	------

Description: Code identifying payment terms for transportation charges

Code List Summary (Total Codes: 28, Included: 3)

Code Name

CC Collect
 PP Prepaid (by Seller)
 TP Third Party Pay

B306	373	Date	M	DT	8/8	Must use
------	-----	------	---	----	-----	----------

Description: Date expressed as CCYYMMDD

Simplot Note: *Invoice Date*

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

Simplot Note: *Total charge. Must match value sent in L305.*

B308	202	Correction Indicator	O	ID	2/2	Used
------	-----	----------------------	---	----	-----	------

Description: Code used to indicate that the transaction set contains information which corrects previous information

Simplot Note: *Correction Indicator should not be sent on original invoices.*

Code List Summary (Total Codes: 36, Included: 6)

Code Name

AD Adjustment of Previous Freight Bill Charges
 AR Adding Revenue
 BE Billing Error
 D1 Diversion or Reconsignment
 RC Revenue Correction
 RE Reassignment/Transfer

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				
		Code List Summary (Total Codes: 1112, Included: 1)				
		Code Name				
		035 Delivered				
B311	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				

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.

G62 Date/Time

Pos: 070	Max: 6
Heading - Optional	
Loop: N/A	Elements: 2

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

Code List Summary (Total Codes: 137, Included: 1)

Code Name

11 Shipped on This Date

G6202	373	Date	X	DT	8/8	Used
-------	-----	------	---	----	-----	------

Description: Date expressed as CCYYMMDD

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 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
130	N3	Address Information	O	2		Used
140	N4	Geographic Location	O	1		Used
110	N1	Name	O	1		Used
130	N3	Address Information	O	2		Used
140	N4	Geographic Location	O	1		Used

N1 Name

Pos: 110	Max: 1
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

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

Code List Summary (Total Codes: 1312, Included: 1)

<u>Code</u>	<u>Name</u>
SH	Shipper

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

Description: Free-form name

Syntax Rules:

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

Comments:

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

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: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	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				

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.

N1 Name

Pos: 110	Max: 1
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

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

Code List Summary (Total Codes: 1312, Included: 1)

Code Name

CN Consignee

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

Description: Free-form name

Syntax Rules:

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

Comments:

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

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: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	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				

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.

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

N7 Equipment Details

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

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>
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)

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.

Loop Stop Off Details

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

User Option (Usage): Must use

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	M	1		Must use
050		Loop 0310	M		2	Must use

S5 Stop Off Details

Pos: 010	Max: 1
Detail - Mandatory	
Loop: 0300	Elements: 2

User Option (Usage): Must use

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

Simplot Note:

Code List Summary (Total Codes: 19, Included: 8)

<u>Code</u>	<u>Name</u>
CL	Complete
CN	Consolidate
CU	Complete Unload
LD	Load
PL	Part Load
PU	Part Unload
TL	Transload
UL	Unload

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.

Simplot Note:

Loop Name

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

User Option (Usage): Must use

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	M	1		Must use
070	N3	Address Information	M	2		Must use
080	N4	Geographic Location	M	1		Must use

N1 Name

Pos: 050	Max: 1
Detail - Mandatory	
Loop: 0310	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

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

Code List Summary (Total Codes: 1312, Included: 2)

Code Name

SF Ship From
ST Ship To

N102	93	Name	X	AN	1/60	Used
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Description: Free-form name

Syntax Rules:

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

Comments:

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

Simplot Note:

Please provide the appropriate address information for the Stop Reason Code sent in S502, as specified below.

CL (Complete)	Ship-From Address
CN (Consolidate)	Ship-From Address
CU (Complete Unload)	Ship-To Address
LD (Load)	Ship-From Address
PL (Part Load)	Ship-From Address
PU (Part Unload)	Ship-To Address
TL (Transload)	Ship-From Address
UL Unload	Ship-To Address

N3 Address Information

Pos: 070 Max: 2
 Detail - Mandatory
 Loop: 0310 Elements: 2

User Option (Usage): Must use

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 - Mandatory	
Loop: 0310	Elements: 4

User Option (Usage): Must use

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	M	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	M	ID	3/15	Must use
		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				

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.

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	M	1		Must use
140	L5	Description, Marks and Numbers	M	30		Must use
170	L0	Line Item - Quantity and Weight	M	10		Must use
180	L1	Rate and Charges	M	10		Must use

LX Assigned Number

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

User Option (Usage): Must use

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	N0	1/6	Must use

Description: Number assigned for differentiation within a transaction set

Simplot Note:

First LX Loop must always be Freight Charge (Line Haul)

L5 Description, Marks and Numbers

Pos: 140	Max: 30
Detail - Mandatory	
Loop: 0400	Elements: 2

User Option (Usage): Must use

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	N0	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						

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.

L0 Line Item - Quantity and Weight

Pos: 170	Max: 10
Detail - Mandatory	
Loop: 0400	Elements: 7

User Option (Usage): Must use

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						
Code List Summary (Total Codes: 47, Included: 3)						
<u>Code</u> <u>Name</u>						
DM Miles						
FR Flat Rate						
LB Pound						
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						
Code List Summary (Total Codes: 51, Included: 1)						
<u>Code</u> <u>Name</u>						
G Gross Weight						
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						
Code List Summary (Total Codes: 134, Included: 2)						
<u>Code</u> <u>Name</u>						
CAS Case						
PCS Pieces						

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 - Mandatory	
Loop: 0400	Elements: 6

User Option (Usage): Must use

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				
		Code List Summary (Total Codes: 163, Included: 4)				
		Code	Name			
		FR	Flat Rate			
		LB	Per Pound			
		PH	Per Hundred (of Basic Unit)			
		PM	Per Mile			
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				
L108	150	Special Charge or Allowance Code	M	ID	3/3	Must use
		Description: Code identifying type of special charge or allowance				
		Simplot Note:				
		<i>L108 Required for Accessorial Charges.</i>				
		<i>See list of codes and Simplot use case examples at the end of this section.</i>				
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				
		Simplot Note: <i>L112 Required for Accessorial Charges</i>				

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.

Simplot Note:

EDI Code	Code Description	Simplot Description	Use Case Example
LHL	Linehaul		
405	Fuel Surcharge		
DIV	Diversion and Reconsignment		
DMC	Deadhead Mileage Charge		
DTL	Detention Loading		
DTU	Detention Unloading		
FFR	Flat Rate		
LAY	Layover Charges		
LDA	Loading Allowance	Lumper Loading	
LDL	Unloading Allowance	Lumper Unloading	
PPN	Pallet Charge		
SAM	Stop Charge		
VFN	Vehicles Furnished But Not Used		
MSG	Miscellaneous Charge		
PRM	Premise Use	Drop Yard Fee	This is a fee that is charged for a container being stored at a yard or facility. This charge could include actual storage at the facility and picking a container off of a chassis and dropping it on the ground and then picking the container up and back on to another chassis to be drayed out of the store yard or facility.
CON	Congestion Surcharge	Port Congestion	This is a fee that is charged by a drayage carrier for lines at the port, congestion at the port or to get into the port that causes their driver to sit around unproductively for long periods of time.
CHE	Chassis Equipment Lease Charge	Chassis Fee	This is a fee that is charged for the rental of a container chassis that a container can be placed onto that allows the drayage carrier then to transport the container from one place to another.
700	Special Vehicle Rent	Genset Fee	This is a fee that is charged for the rental of an electric generator that a refrigerated container can be plugged into while the drayage carrier transports the loaded container from one location to another.
ENC	Energy Charge	Plug In Fee	This is a fee that is charged for a refrigerated container that is plugged into an electrical power source that is charged by the drayage carrier or the managing company of the yard, facility or terminal, etc., where the container is being stored.
EMT	Empty Movement	Empty Container Pickup	
SWC	Switching Charge	Reciprocal Switch	This is a fee that the delivering railroad would charge the shipper for their switching of the refrigerated railcar to the receiving destination. This cost is sometimes but not always covered under normal negotiated rail freight rates.
PPO	Per Order Charge	Order Mgmt Fee	This is a fee that is charged for arranging the transportation of orders on the shipper's behalf. This can be on a per order basis or a flat rate on a monthly basis.
OVR	Over Dimension	Overweight Rework	This is a fee that is charged for the rework of a trailer, container or railcar that was too heavy to continue its movement without having the cargo weight reduced based on local and federal transportation laws for weight limits.
PUC	Pick-up Charge	Late Fee Pick Up	
LCG	Late Order Charge	Late Fee Delivery	
SER	Service Charge	Work-in Fee	This is a fee that is charged to either load or unload a trailer or container at their facility that was in addition to or outside the normal appointment scheduled of that whse.
DOC	Document Charge	Document Fee	This is a fee that is charged for any documents that would need to be created in order to move product from one location to another either domestic or internationally. This could include the creation of or requesting of documents from a third party such as: Halal certificates, USDA Cert.,
TRC	Trailer Rental Charge	Trailer Rental Fee	This is a fee that is charged for the rental of a refrigerated trailer, ie. if the carrier has a power unit or (Tractor) but no trailer, to haul temperature controlled products in from one place to another.
CLN	Cleaning Charge	Wash Out Fee	This is a fee that is charged to have a trailer, container or railcar washed out so that the unit would be able to transport the requested commodities in.

L3 Total Weight and Charges

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 3

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

Code List Summary (Total Codes: 51, Included: 1)

Code Name

G Gross Weight

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

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.

GE Functional Group Trailer

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

User Option (Usage): Must use

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

Element Summary:

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

Semantics:

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

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

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

User Option (Usage): Must use

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

Element Summary:

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