

210 Motor Carrier Freight Details and Invoice

Functional Group ID=**IM**

Introduction:

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. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1	
M	020	B3	Beginning Segment for Carrier's Invoice	M	1	
Not Used	030	C2	Bank ID	O	1	
Not Used	040	C3	Currency	O	1	
Not Used	050	ITD	Terms of Sale/Deferred Terms of Sale	O	1	
	060	N9	Reference Identification	O	300	
	070	G62	Date/Time	O	6	
	080	R3	Route Information - Motor	O	12	
Not Used	090	H3	Special Handling Instructions	O	6	
	100	K1	Remarks	O	10	
LOOP ID - 0100					10	
	110	N1	Name	O	1	
	120	N2	Additional Name Information	O	1	
	130	N3	Address Information	O	2	
	140	N4	Geographic Location	O	1	
Not Used	150	N9	Reference Identification	O	5	
LOOP ID - 0200					10	
	160	N7	Equipment Details	O	1	
Not Used	170	M7	Seal Numbers	O	2	
LOOP ID - 0250					999999	
Not Used	180	SPO	Shipment Purchase Order Detail	O	1	
Not Used	185	SDQ	Destination Quantity	O	10	

Detail:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - 0300					999	
	010	S5	Stop-off Details	O	1	n1
Not Used	020	N9	Reference Identification	O	10	

Not Used	030	G62	Date/Time	O	10	
Not Used	040	H3	Special Handling Instructions	O	6	
LOOP ID - 0305					999999	
Not Used	045	SPO	Shipment Purchase Order Detail	O	1	
Not Used	047	SDQ	Destination Quantity	O	10	
LOOP ID - 0310					2	
Not Used	050	N1	Name	O	1	
Not Used	060	N2	Additional Name Information	O	1	
Not Used	070	N3	Address Information	O	2	
Not Used	080	N4	Geographic Location	O	1	
Not Used	090	N9	Reference Identification	O	5	
LOOP ID - 0320					10	
Not Used	100	N7	Equipment Details	O	1	
Not Used	110	M7	Seal Numbers	O	2	
LOOP ID - 0400					9999	
	120	LX	Assigned Number	O	1	
Not Used	130	N9	Reference Identification	O	5	
Not Used	137	POD	Proof of Delivery	O	1	
	140	L5	Description, Marks and Numbers	O	30	
Not Used	150	H1	Hazardous Material	O	3	
Not Used	160	H2	Additional Hazardous Material Description	O	2	
	170	L0	Line Item - Quantity and Weight	O	10	
	180	L1	Rate and Charges	O	10	
Not Used	190	L4	Measurement	O	10	
	200	L7	Tariff Reference	O	10	
	210	K1	Remarks	O	10	
LOOP ID - 0430					999999	
Not Used	220	SPO	Shipment Purchase Order Detail	O	1	
Not Used	230	SDQ	Destination Quantity	O	10	
LOOP ID - 0460					999999	
Not Used	240	N1	Name	O	1	n2
Not Used	250	N2	Additional Name Information	O	1	
Not Used	260	N3	Address Information	O	2	
Not Used	270	N4	Geographic Location	O	1	
Not Used	280	N9	Reference Identification	O	10	
LOOP ID - 0463					999999	
Not Used	300	CD3	Carton (Package) Detail	O	1	
Not Used	310	N9	Reference Identification	O	20	
Not Used	320	H6	Special Services	O	10	
Not Used	330	L9	Charge Detail	O	10	
Not Used	335	POD	Proof of Delivery	O	1	
Not Used	340	G62	Date/Time	O	1	
LOOP ID - 0465					999999	
Not Used	350	SPO	Shipment Purchase Order Detail	O	1	
Not Used	360	SDQ	Destination Quantity	O	10	

Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
	010	L3	Total Weight and Charges	O	1		
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. 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. 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.

Segment: **ST** Transaction Set Header

Position: 010

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

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

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
M	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment: **B3** Beginning Segment for Carrier's Invoice

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

Syntax Notes: 1 If either B309 or B310 is present, then the other is required.

Semantic Notes:

- 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.

Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	B302	76	Invoice Number Identifying number assigned by issuer	M AN 1/22
M	B303	145	Shipment Identification Number 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) Required by 3M.	M AN 1/30
M	B304	146	Shipment Method of Payment Code identifying payment terms for transportation charges PP Prepaid (by Seller)	M ID 2/2
M	B306	373	Date Date expressed as CCYYMMDD	M DT 8/8
M	B307	193	Net Amount Due Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified	M N2 1/12
	B308	202	Correction Indicator Code used to indicate that the transaction set contains information which corrects previous information Not required on original invoices. Required on all retransmitted invoices.	O ID 2/2
			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
			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
			Code specifying type of date or time, or both date and time		
M	B311	140	Standard Carrier Alpha Code		M ID 2/4
			Standard Carrier Alpha Code		
			Required by 3M.		

Segment: **N9 Reference Identification**
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 300
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

- Syntax Notes:**
- 1 At least one of N902 or N903 is required.
 - 2 If N906 is present, then N905 is required.
 - 3 If either C04003 or C04004 is present, then the other is required.
 - 4 If either C04005 or C04006 is present, then the other is required.

- Semantic Notes:**
- 1 N906 reflects the time zone which the time reflects.
 - 2 N907 contains data relating to the value cited in N902.

Comments:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
N901	128	Reference Identification Qualifier Code qualifying the Reference Identification PO Purchase Order Number	O ID 2/3
N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **G62** Date/Time

Position: 070

Loop:

Level: Heading

Usage: Optional

Max Use: 6

Purpose: To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of G6201 or G6203 is required.
 - 2 If either G6201 or G6202 is present, then the other is required.
 - 3 If either G6203 or G6204 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	G6201	432 Date Qualifier Code specifying type of date 11 Shipped on This Date	M ID 2/2
M	G6202	373 Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **R3** Route Information - Motor

Position: 080

Loop:

Level: Heading

Usage: Optional

Max Use: 12

Purpose: To specify carrier and routing sequences and details

Syntax Notes: 1 If R311 is present, then R310 is required.

2 If R312 is present, then R311 is required.

Semantic Notes: 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.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	R301	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
M	R302	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement 1 1st Carrier after Origin Carrier 2 2nd Carrier after Origin Carrier B Origin/Delivery Carrier (Any Mode) O Origin Carrier (Air, Motor, or Ocean)	M ID 1/2
	R306	76	Invoice Number Identifying number assigned by issuer	O AN 1/22

Segment: **K1** Remarks
Position: 100
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To transmit information in a free-form format for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	K101	61	Free-Form Message Free-form information Required by 3M.	M AN 1/30
	K102	61	Free-Form Message Free-form information	O AN 1/30

Segment: **N1** Name

Position: 110

Loop: 0100 Optional

Level: Heading

Usage: Optional

Max Use: 1

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

Syntax Notes: 1 At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

- 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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual CN Consignee SH Shipper	M ID 2/3
	N102	93	Name Free-form name	X AN 1/60
	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
	N104	67	Identification Code Code identifying a party or other code	X AN 2/80
	N105	706	Entity Relationship Code Code describing entity relationship	O ID 2/2
	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	O ID 2/3

Segment: **N2 Additional Name Information**
Position: 120
Loop: 0100 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	N201	93	Name Free-form name	M AN 1/60
	N202	93	Name Free-form name	O AN 1/60

Segment: **N3** Address Information
Position: 130
Loop: 0100 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 140
Loop: 0100 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	N401	19 City Name Free-form text for city name Required by 3M.	M AN 2/30
M	N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency Required by 3M.	M ID 2/2
M	N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) Required by 3M.	M ID 3/15
M	N404	26 Country Code Code identifying the country Use only if address is outside of the U.S.	M ID 2/3

Segment: **N7** Equipment Details

Position: 160

Loop: 0200 Optional

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To identify the equipment

Syntax Notes: 1 If either N703 or N704 is present, then the other is required.

2 If either N705 or N716 is present, then the other is required.

3 If either N708 or N709 is present, then the other is required.

Semantic Notes: 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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N701	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	O AN 1/4
M	N702	207 Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M AN 1/10
N711	40	Equipment Description Code Code identifying type of equipment used for shipment TL Trailer (not otherwise specified) TR Tractor	O ID 2/2
N712	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4
N713	319	Temperature Control Free-form abbreviation of temperature range or flash-point temperature	O AN 3/6
N714	219	Position Relative position of shipment in car, trailer, or container (mutually defined)	O AN 1/3
N715	567	Equipment Length Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	O N0 4/5
N719	56	Type of Service Code Code specifying extent of transportation service requested CS Container Station CY Container Yard HH House-to-house	O ID 2/2

HL	Headload or Devanning
HP	House-to-pier
NC	Non-containerized cargo
PH	Pier-to-house
PP	Pier-to-pier

N720	65	Height	O R 1/8
		Vertical dimension of an object measured when the object is in the upright position	
N721	189	Width	O R 1/8
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
N722	24	Equipment Type	O ID 4/4
		Code identifying equipment type	
N723	140	Standard Carrier Alpha Code	O ID 2/4
		Standard Carrier Alpha Code	
N724	301	Car Type Code	O ID 1/4
		Code specifying type of rail car or intermodal equipment type and its general characteristics	

Segment: **S5** Stop-off Details

Position: 010

Loop: 0300 Optional

Level: Detail

Usage: Optional

Max Use: 1

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

Syntax Notes:

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

Semantic Notes: 1 S509 is the stop reason description.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	S501	165 Stop Sequence Number	M N0 1/3
		Identifying number for the specific stop and the sequence in which the stop is to be performed	
M	S502	163 Stop Reason Code	M ID 2/2
		Code specifying the reason for the stop	
		CL Complete	
		CN Consolidate	
		CU Complete Unload	
		HT Heat the Shipment	
		LD Load	
		PL Part Load	
		PU Part Unload	
		TL Transload	
		UL Unload	
		WL Weigh Loaded	
	S509	352 Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	
		3M requires the name of the city and state where the stop-off occurs. Include the zip code when available.	

Segment: **LX** Assigned Number
Position: 120
Loop: 0400 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes: Required by 3M.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	LX01 554 Assigned Number	M N0 1/6
	Number assigned for differentiation within a transaction set	

Segment: **L5** Description, Marks and Numbers

Position: 140

Loop: 0400 Optional

Level: Detail

Usage: Optional

Max Use: 30

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

- Syntax Notes:**
- 1 If either L503 or L504 is present, then the other is required.
 - 2 If L507 is present, then L506 is required.
 - 3 If either L508 or L509 is present, then the other is required.

Semantic Notes:

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

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	L501	213	Lading Line Item Number Sequential line number for a lading item Required by 3M.	M N0 1/3
M	L502	79	Lading Description Description of an item as required for rating and billing purposes Required by 3M.	M AN 1/50
	L503	22	Commodity Code Code describing a commodity or group of commodities	X AN 1/30
	L504	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code	X ID 1/1

Segment: **L0** Line Item - Quantity and Weight
Position: 170
Loop: 0400 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

- Syntax Notes:**
- 1 If either L002 or L003 is present, then the other is required.
 - 2 If either L004 or L005 is present, then the other is required.
 - 3 If either L006 or L007 is present, then the other is required.
 - 4 If either L008 or L009 is present, then the other is required.
 - 5 If L011 is present, then L004 is required.
 - 6 If either L013 or L015 is present, then the other is required.

- Semantic Notes:**
- 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.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	L001	213 Lading Line Item Number	M N0 1/3
		Sequential line number for a lading item	
		Required by 3M.	
	L002	220 Billed/Rated-as Quantity	X R 1/11
		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
		Code identifying the type of quantity or value on which the rate or item pricing is based	
		DK Kilometers	
		DM Miles	
		FR Flat Rate	
		KG Kilogram	
		LB Pound	
M	L004	81 Weight	M R 1/10
		Numeric value of weight	
		Required by 3M.	

L005	187	Weight Qualifier	X ID 1/2
		Code defining the type of weight	
		B Billed Weight	
		F Deficit Weight	
		G Gross Weight	
		M Minimum Weight (for rate)	
		N Actual Net Weight	
		T Tare Weight	
L008	80	Lading Quantity	X NO 1/7
		Number of units (pieces) of the lading commodity	
L009	211	Packaging Form Code	X ID 3/3
		Code for packaging form of the lading quantity	
		BDL Bundle	
		BOX Box	
		CAS Case	
		CTN Carton	
		PCS Pieces	
		PLT Pallet	
		ROL Roll	
		SKD Skid	
L011	188	Weight Unit Code	O ID 1/1
		Code specifying the weight unit	
		E Metric Ton	
		K Kilograms	
		L Pounds	
		M Measurement Ton	
		O Ounces	
		S Short Ton	
		T Long Ton	

Segment: **L1 Rate and Charges**
Position: 180
Loop: 0400 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

- Syntax Notes:**
- 1 If either L102 or L103 is present, then the other is required.
 - 2 At least one of L104 L105 or L106 is required.
 - 3 If either L114 or L115 is present, then the other is required.
 - 4 If either L117 or L118 is present, then the other is required.

- Semantic Notes:**
- 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.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	L101	213 Lading Line Item Number Sequential line number for a lading item Required by 3M.	M N0 1/3
	L102	60 Freight Rate Rate that applies to the specific commodity	X R 1/9
	L103	122 Rate/Value Qualifier Code qualifying how to extend charges or interpret value FR Flat Rate LB Per Pound MN Minimum PH Per Hundred (of Basic Unit) PM Per Mile	X ID 2/2
M	L104	58 Charge 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 Required by 3M.	M N2 1/12
	L105	191 Advances Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	X N2 1/9

L108 150 Special Charge or Allowance Code O ID 3/3

Code identifying type of special charge or allowance

- 450 Inland Transportation
- 999 Other (See related description)
- AAJ Adjustments
- DAA Deficit Freight
- DIV Diversion and Reconsignment
- DSC Discount
- FFR Flat Rate
- FUE Fuel Charge
- PSC Protective Service - Cold
- PSH Protective Service - Heat
- RCL Redelivery
- SOC Stop-off Charge

L112 276 Special Charge Description O AN 2/25

Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150

Segment: **L7** **Tariff Reference**
Position: 200
Loop: 0400 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To reference details of the tariff used to arrive at applicable rates or charge
Syntax Notes:
Semantic Notes:

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

Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	L701	213 Lading Line Item Number	M N0 1/3
		Sequential line number for a lading item Required by 3M.	
	L702	168 Tariff Agency Code	O ID 1/4
		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
		Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	
	L705	169 Tariff Item Number	O AN 1/16
		Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	
	L707	59 Freight Class Code	O AN 2/5
		Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	
	L710	373 Date	O DT 8/8
		Date expressed as CCYYMMDD	
	L711	119 Rate Basis Number	O AN 1/6
		The (mileage) factor published for rating purposes in the appropriate tariff	
	L713	294 Tariff Distance	O N0 1/5
		Distance on which the rate for a shipment is based	

Segment: **K1** Remarks
Position: 210
Loop: 0400 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To transmit information in a free-form format for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	K101	61	Free-Form Message Free-form information	M AN 1/30
	K102	61	Free-Form Message Free-form information	O AN 1/30

Segment: **L3** Total Weight and Charges

Position: 010

Loop:

Level: Summary

Usage: Optional

Max Use: 1

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

- Syntax Notes:**
- 1 If either L301 or L302 is present, then the other is required.
 - 2 If either L303 or L304 is present, then the other is required.
 - 3 If either L309 or L310 is present, then the other is required.
 - 4 If L312 is present, then L301 is required.
 - 5 If either L314 or L315 is present, then the other is required.

Semantic Notes: 1 L305 is the total charges.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	L301	81 Weight	M R 1/10
		Numeric value of weight	
		Required by 3M.	
M	L302	187 Weight Qualifier	M ID 1/2
		Code defining the type of weight	
		Required by 3M.	
		G Gross Weight	
		N Actual Net Weight	
		T Tare Weight	
	L303	60 Freight Rate	X R 1/9
		Rate that applies to the specific commodity	
	L304	122 Rate/Value Qualifier	X ID 2/2
		Code qualifying how to extend charges or interpret value	
		FR Flat Rate	
		LB Per Pound	
		MN Minimum	
		PH Per Hundred (of Basic Unit)	
		PM Per Mile	
M	L305	58 Charge	M N2 1/12
		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	
	L308	150 Special Charge or Allowance Code	O ID 3/3

Code identifying type of special charge or allowance

450	Inland Transportation
999	Other (See related description)
AAJ	Adjustments
DAA	Deficit Freight
DIV	Diversion and Reconsignment
DSC	Discount
FFR	Flat Rate
FUE	Fuel Charge
PSC	Protective Service - Cold
PSH	Protective Service - Heat
RCL	Redelivery
SOC	Stop-off Charge

L311

80

Lading Quantity

O N0 1/7

Number of units (pieces) of the lading commodity

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)

Syntax Notes:
Semantic Notes:

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

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	SE01	96 Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	