

210 Motor Carrier Freight Details and Invoice

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

Publication:

210 Motor Carrier Freight Details and Invoice

Functional Group=IM

This Standard 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
060	N9	Reference Identification	O	300			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

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 - 0400					9999		
120	LX	Assigned Number	O	1			Used
140	L5	Description, Marks and Numbers	O	30			Used
170	L0	Line Item - Quantity and Weight	O	10			Used
180	L1	Rate and Charges	O	10			Used
200	L7	Tariff Reference	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

ST Transaction Set Header

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

User Option (Usage): Must use

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

Element Summary:

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

Semantics:

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

B3 Beginning Segment for Carrier's Invoice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 7

User Option (Usage): Must use

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 Description: Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time All valid standard codes are used.	O	ID	1/1	Used
B302	76	Invoice Number Description: Identifying number assigned by issuer	M	AN	1/22	Must use
B303	145	Shipment Identification Number Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	O	AN	1/30	Used
B304	146	Shipment Method of Payment Description: Code identifying payment terms for transportation charges All valid standard codes are used.	M	ID	2/2	Must use
B306	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use
B307	193	Net Amount Due Description: Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified	M	N2	1/12	Must use
B311	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	M	ID	2/4	Must use

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.

N9 Reference Identification

Pos: 060	Max: 300
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

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 Description: Code qualifying the Reference Identification	M	ID	2/3	Must use
		Code Name PO Purchase Order Number				
N902	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used

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 0100

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

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

Loop Summary:

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

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 Description: Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use
		Code Name CN Consignee SH Shipper				
N102	93	Name Description: Free-form name	X	AN	1/60	Used

Syntax Rules:

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

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
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

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 Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 140	Max: 1
Heading - Optional	
Loop: 0100	Elements: 3

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used

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 0400

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

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
140	L5	Description, Marks and Numbers	O	30		Used
170	L0	Line Item - Quantity and Weight	O	10		Used
180	L1	Rate and Charges	O	10		Used
200	L7	Tariff Reference	O	10		Used

LX Assigned Number

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

User Option (Usage): Used

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 Description: Number assigned for differentiation within a transaction set	M	NO	1/6	Must use

L5 Description, Marks and Numbers

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

User Option (Usage): Used

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 Description: Sequential line number for a lading item	O	N0	1/3	Used
L502	79	Lading Description Description: Description of an item as required for rating and billing purposes	O	AN	1/50	Used

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 - Optional
Loop: 0400 **Elements: 6**

User Option (Usage): Used

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

Element Summary:

<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 Description: Sequential line number for a lading item	O	N0	1/3	Used
L004	81	Weight Description: Numeric value of weight	X	R	1/10	Used
L005	187	Weight Qualifier Description: Code defining the type of weight All valid standard codes are used.	X	ID	1/2	Used
L008	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	X	N0	1/7	Used
L009	211	Packaging Form Code Description: Code for packaging form of the lading quantity All valid standard codes are used.	X	ID	3/3	Used
L011	188	Weight Unit Code Description: Code specifying the weight unit All valid standard codes are used.	O	ID	1/1	Used

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: 4

User Option (Usage): Used

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

Element Summary:

<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 Description: Sequential line number for a lading item	O	N0	1/3	Used
L102	60	Freight Rate Description: Rate that applies to the specific commodity	X	R	1/9	Used
L103	122	Rate/Value Qualifier Description: Code qualifying how to extend charges or interpret value All valid standard codes are used.	X	ID	2/2	Used
L104	58	Charge Description: For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	X	N2	1/12	Used

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.

L7 Tariff Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: 0400	Elements: 4

User Option (Usage): Used

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 Description: Sequential line number for a lading item	O	NO	1/3	Used
L702	168	Tariff Agency Code Description: Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	O	ID	1/4	Used
L703	171	Tariff Number Description: Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O	AN	1/7	Used
L707	59	Freight Class Code Description: Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	O	AN	2/5	Used

Semantics:

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

L3 Total Weight and Charges

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

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

Element Summary:

<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 Description: Numeric value of weight	X	R	1/10	Used
L302	187	Weight Qualifier Description: Code defining the type of weight All valid standard codes are used.	X	ID	1/2	Used
L311	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	O	NO	1/7	Used
L312	188	Weight Unit Code Description: Code specifying the weight unit All valid standard codes are used.	O	ID	1/1	Used

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

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

Comments:

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

Table of Contents

Motor Carrier Freight Details and Invoice	2
Transaction Set Header	3
Beginning Segment for Carrier's Invoice	4
Reference Identification	5
Loop 0100	6
Name	7
Address Information	8
Geographic Location	9
Loop 0400	10
Assigned Number	11
Description, Marks and Numbers	12
Line Item - Quantity and Weight	13
Rate and Charges	14
Tariff Reference	15
Total Weight and Charges	16
Transaction Set Trailer	17