



210 Motor Carrier Freight Details and Invoice

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

Version: 3.1 Final

Company:

Insight Direct USA, Inc.

Modified:

3/21/2023

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
040	C3	Currency	M	1			Must use
060	N9	Reference Identification	M	300			Must use
070	G62	Date/Time	M	2			Must use
080	R3	Route Information - Motor	M	1			Must use
LOOP ID - 0100					3		
110	N1	Name	M	1			Must use
130	N3	Address Information	M	1			Must use
140	N4	Geographic Location	M	1			Must use

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	M	1			Must use
137	POD	Proof of Delivery	M	1			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	M	1			Must use
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

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				

B3 Beginning Segment for Carrier's Invoice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

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						
B304	146	Shipment Method of Payment	M	ID	2/2	Must use
Description: Code identifying payment terms for transportation charges						
Code List Summary (Total Codes: 28, Included: 5)						
Code Name						
CC Collect						
CD Collect on Delivery						
DE Per Contract						
PP Prepaid (by Seller)						
TP Third Party Pay						
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						

Example:

B3**000000V28F02352**DE**20220827*79664

C3 Currency

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

User Option (Usage): Must use

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

Example:

C3*USD
C3*CAD

N9 Reference Identification

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

User Option (Usage): Must use

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

Code List Summary (Total Codes: 1503, Included: 12)

Code Name

- 12 Billing Account
- 2I Tracking Number
- AW Air Waybill Number
- BM Bill of Lading Number
- CG Consignee's Order Number
- CO Customer Order Number
- CR Customer Reference Number
- OP Original Purchase Order
- PO Purchase Order Number
- RZ Returned Goods Authorization Number
- SI Shipper's Identifying Number for Shipment (SID)
- SO Shipper's Order (Invoice Number)

N902	127	Reference Identification	M	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Example:

N9*12*0983445666

G62 Date/Time

Pos: 070	Max: 2
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

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	M	ID	2/2	Must use

Description: Code specifying type of date

Code List Summary (Total Codes: 137, Included: 2)

<u>Code</u>	<u>Name</u>
03	Invoice Date
86	Actual Pickup Date

G6202	373	Date	M	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD

G6203	176	Time Qualifier	M	ID	1/2	Must use
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Description: Code specifying the reported time

Code List Summary (Total Codes: 42, Included: 1)

<u>Code</u>	<u>Name</u>
8	Actual Pickup Time

G6204	337	Time	M	TM	4/8	Must use
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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)

Example:

G62*03*20220122*8*120000
 G62*86*20220428*8*083000

R3 Route Information - Motor

Pos: 080	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 1

User Option (Usage): Must use

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>
R310	284	Service Level Code	M	ID	2/2	Must use

Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier

Code List Summary (Total Codes: 66, Included: 12)

<u>Code</u>	<u>Name</u>
3D	Three Day Service
AC	Air Cargo
AE	Air Economy
CE	Courier Express
CG	Ground
IE	Expedited Service - Worldwide
IX	Express Service - Worldwide
ND	Next Day Air
NM	Next Morning
SA	Same Day
SC	Second Day Air
SE	Second Day

Example:

R3*****3D

N1 Name

Pos: 110	Max: 1
Heading - Mandatory	
Loop: 0100	Elements: 4

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: 3)

Code Name

BT Bill-to-Party
 CN Consignee
 SH Shipper

N102	93	Name	M	AN	1/60	Must use
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Description: Free-form name

N103	66	Identification Code Qualifier	M	ID	1/2	Must use
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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	M	AN	2/80	Must use
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Description: Code identifying a party or other code

Example:

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N1*BT*TRANSPORTATION DEPT*25*0000V28F02
N1*SH*Trista Smith*ZZ*EAST PENN MANUFACTURING
N1*CN*Steve Desiza*ZZ*000034888
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N3 Address Information

Pos: 130 Max: 1
 Heading - Mandatory
 Loop: 0100 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				

Example:

*N3*1600 HUNTER RD*

N4 Geographic Location

Pos: 140	Max: 1
Heading - Mandatory	
Loop: 0100	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	M	ID	2/3	Must use
		Description: Code identifying the country				

Example:

*N4*HANOVER PARK*IL*60103*US*

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

Insight Note:

Insight can not accept 210's with more than 990 line items.

Example:

LX*1

POD Proof of Delivery

Pos: 137	Max: 1
Detail - Mandatory	
Loop: 0400	Elements: 2

User Option (Usage): Must use

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				
POD03	93	Name	M	AN	1/60	Must use
		Description: Free-form name				

Example:

*POD*20220621**JOE SMITH*

L0 Line Item - Quantity and Weight

Pos: 170	Max: 10
Detail - Mandatory	
Loop: 0400	Elements: 5

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	M	N0	1/3	Must use
Description: Sequential line number for a lading item						
L004	81	Weight	M	R	1/10	Must use
Description: Numeric value of weight						
L005	187	Weight Qualifier	M	ID	1/2	Must use
Description: Code defining the type of weight						
Code List Summary (Total Codes: 51, Included: 1)						
Code Name						
B Billed Weight						
L008	80	Lading Quantity	M	N0	1/7	Must use
Description: Number of units (pieces) of the lading commodity						
L011	188	Weight Unit Code	M	ID	1/1	Must use
Description: Code specifying the weight unit						
All valid standard codes are used. (Total Codes: 8)						

Example:

L0****1*B***1***L

L1 Rate and Charges

Pos: 180	Max: 10
Detail - Mandatory	
Loop: 0400	Elements: 3

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>
L104	58	Charge	M	N2	1/12	Must use

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
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Description: Code identifying type of special charge or allowance

Code List Summary (Total Codes: 1073, Included: 12)

Code Name

- 260 Delivery Surcharge
- 405 Fuel Surcharge
- 665 Saturday Delivery
- 675 Security Signature Service
- 750 Value Added Tax (VAT)
- GST Goods and Services Tax Charge
- IDL Inside Delivery
- LAB Extra Labor (Helper Service)
- LFT Lift Gate (Truck) or Forklift Service at Pick-up/Delivery
- NYD New York Delivery Charge
- SST Sales Tax (State and Local)
- TAX Tax Charge

L112	276	Special Charge Description	M	AN	2/25	Must use
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Description: Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150

Example:

L1****214****405****Fuel Charge

L3 Total Weight and Charges

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

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	M	R	1/10	Must use
		Description: Numeric value of weight				
L302	187	Weight Qualifier	M	ID	1/2	Must use
		Description: Code defining the type of weight				
		Code List Summary (Total Codes: 51, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		N	Actual Net Weight			
L305	58	Charge	M	N2	1/12	Must use
		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				
L311	80	Lading Quantity	M	N0	1/7	Must use
		Description: Number of units (pieces) of the lading commodity				
L312	188	Weight Unit Code	M	ID	1/1	Must use
		Description: Code specifying the weight unit				
		All valid standard codes are used. (Total Codes: 8)				

Example:

L3*3*L***400*****3*L

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				