

210 Motor Carrier Freight Details and Invoice

Functional Group ID=**IM**

Introduction:

This X12 Transaction Set 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>Page No.</u>	<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>
4	0100	ST	Transaction Set Header	M	1		
5	0200	B3	Beginning Segment for Carrier's Invoice	M	1		
Not Used	0300	C2	Bank ID	O	1		
6	0400	C3	Currency Identifier	M	1		
Not Used	0500	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
Not Used	0600	L11	Business Instructions and Reference Number	O	300		
Not Used	0700	G62	Date/Time	O	6		
Not Used	0800	R3	Route Information - Motor	O	12		
Not Used	0900	H3	Special Handling Instructions	O	6		
Not Used	1000	K1	Remarks	O	10		
LOOP ID - 0100						10	
Not Used	1100	N1	Party Identification	O	1		
Not Used	1200	N2	Additional Name Information	O	1		
Not Used	1300	N3	Party Location	O	2		
Not Used	1400	N4	Geographic Location	O	1		
Not Used	1500	L11	Business Instructions and Reference Number	O	5		
LOOP ID - 0200						10	
Not Used	1600	N7	Equipment Details	O	1		
Not Used	1700	M7	Seal Numbers	O	2		
LOOP ID - 0250						999999	
Not Used	1800	OID	Order Information Detail	O	1		
Not Used	1850	SDQ	Destination Quantity	O	10		

Detail:

<u>Page No.</u>	<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	
Not Used	0100	S5	Stop-off Details	O	1		n1
Not Used	0200	L11	Business Instructions and Reference Number	O	10		
Not Used	0300	G62	Date/Time	O	10		
Not Used	0400	H3	Special Handling Instructions	O	6		
LOOP ID - 0305						999999	
Not Used	0450	OID	Order Information Detail	O	1		
Not Used	0470	SDQ	Destination Quantity	O	10		

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LOOP ID - 0310			2		
Not Used	0500	N1	Party Identification	O	1
Not Used	0600	N2	Additional Name Information	O	1
Not Used	0700	N3	Party Location	O	2
Not Used	0800	N4	Geographic Location	O	1
Not Used	0900	L11	Business Instructions and Reference Number	O	5
LOOP ID - 0320			10		
Not Used	1000	N7	Equipment Details	O	1
Not Used	1100	M7	Seal Numbers	O	2
LOOP ID - 0400			>1		
7	1200	LX	Transaction Set Line Number	M	1
Not Used	1300	L11	Business Instructions and Reference Number	O	20
Not Used	1400	L5	Description, Marks and Numbers	O	30
Not Used	1500	H1	Hazardous Material	O	3
Not Used	1600	H2	Additional Hazardous Material Description	O	2
8	1700	L0	Line Item - Quantity and Weight	M	1
9	1800	L1	Rate and Charges	M	1
Not Used	1900	L4	Measurement	O	10
Not Used	2000	L7	Tariff Reference	O	10
Not Used	2100	K1	Remarks	O	10
LOOP ID - 0430			999999		
Not Used	2200	OID	Order Information Detail	O	1
Not Used	2300	SDQ	Destination Quantity	O	10
LOOP ID - 0460			999999		
Not Used	2400	N1	Party Identification	O	1 n2
Not Used	2500	N2	Additional Name Information	O	1
Not Used	2600	N3	Party Location	O	2
Not Used	2700	N4	Geographic Location	O	1
Not Used	2800	L11	Business Instructions and Reference Number	O	10
LOOP ID - 0463			999999		
Not Used	3000	CD3	Carton (Package) Detail	O	1
Not Used	3100	L11	Business Instructions and Reference Number	O	20
Not Used	3200	H6	Special Services	O	10
Not Used	3300	L9	Charge Detail	O	50
Not Used	3350	POD	Proof of Delivery	O	1
Not Used	3400	G62	Date/Time	O	1
LOOP ID - 0465			999999		
Not Used	3500	OID	Order Information Detail	O	1
Not Used	3600	SDQ	Destination Quantity	O	10

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	0100	L3	Total Weight and Charges	O	1		
11	0200	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Loops 0300, 0305, 0310 and 0320 shall only be used to identify locations and associated data for loading and unloading of freight.

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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: 0100
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).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

Comments:
Business Rules: Variable Name: STST

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9

Segment: **B3 Beginning Segment for Carrier's Invoice**
Position: 0200
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 <i>A combination of upper case A-Z, 0-9 or dash (-) is only accepted.</i>	M 1 AN 1/15
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) <i>Shipment ID Number must match Shipment ID Number (B204) from the 204.</i>	M 1 AN 1/30
M	B304	146	Shipment Method of Payment Code identifying payment terms for transportation charges CC Collect PP Prepaid (by Seller)	M 1 ID 2/2
M	B306	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M 1 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 1 N2 1/12
M	B309	32	Delivery Date Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD where CC represents the first two digits of the calendar year	M 1 DT 8/8
M	B310	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 017 Estimated Delivery 035 Delivered 140 Actual	M 1 ID 3/3
M	B311	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M 1 ID 4/4

Segment: **C3** **Currency Identifier**
Position: 0400
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify the currency being used in the transaction set
Syntax Notes:
Semantic Notes:

- 1 C301 is the billing currency.
- 2 C303 is the payment currency.
- 3 C304 is the rated currency.

Comments:

- 1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> C301	<u>Element</u> 100 Currency Code	M 1 ID 3/3 Code (Standard ISO) for country in whose currency the charges are specified

Segment: **LX** Transaction Set Line Number
Position: 1200
Loop: 0400 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **L0** Line Item - Quantity and Weight

Position: 1700

Loop: 0400 Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

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

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	L001	213	Lading Line Item Number Sequential line number for a lading item	M 1 N0 1/3
M	L004	81	Weight Numeric value of weight	M 1 R 1/10
M	L005	187	Weight Qualifier Code defining the type of weight G Gross Weight	M 1 ID 1/2
M	L006	183	Volume Value of volumetric measure	M 1 R 1/8
M	L007	184	Volume Unit Qualifier Code identifying the volume unit E Cubic Feet	M 1 ID 1/1
M	L011	188	Weight Unit Code Code specifying the weight unit L Pounds	M 1 ID 1/1

Segment: **L1 Rate and Charges**

Position: 1800

Loop: 0400 Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

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	M	1 N0 1/3
M	L102	60	Freight Rate Rate that applies to the specific commodity	M	1 R 1/9
M	L103	122	Rate/Value Qualifier Code qualifying how to extend charges or interpret value	M	1 ID 2/2
			FR Flat Rate		
			MN Minimum		
			PF Per Cubic Foot		
			PG Per Gallon		
			PH Per Hundred (of Basic Unit)		
			PL Per Load		
			PM Per Mile		
			PU Per Unit		
			SY Square Yard		
M	L104	58	Amount Charged 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	M	1 N2 1/15
M	L108	150	Special Charge or Allowance Code Code identifying type of special charge or allowance	M	1 ID 3/3
			420 Hazardous Materials Handling Fee - Domestic		
			ALC Advance Lading Charge		
			BAS Base Charge		
			CON Congestion Surcharge		
			CUS Customs Charge		
			DEP Detention of Power Units		
			DET Detention of Trailers		
			DMC Deadhead Mileage Charge		
			DOC Documentation Charge		
			DTL Detention Loading		
			DTU Detention Unloading		
			EXW Excess Weight		
			A special charge incurred by shipments that exceed the		

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	weight agreed to
FUE	Fuel Charge
HAZ	Hazardous Cargo Charge
HOL	Sunday or Holiday Pickup or Delivery
IAC	Inspection Fee
IDL	Inside Delivery
INS	Insurance
LAC	Lading Adjustment Charge
LDG	Loading
LFT	Lift Gate (Truck) or Forklift Service at Pickup/Delivery
LYC	Layover Service Charge
PCH	Protective Service Charge
PYS	Priority Service Charge
RCC	Reconsignment Charge
RCL	Redelivery
RLS	Relocation of Vehicle
	Motor charge when carrier is requested to move a vehicle from one platform doorway or shipping room to another
SAT	Saturday Pickup or Delivery Charge
SEG	Segregating (Sorting)
SOC	Stop-off Charge
SRG	Storage
STR	Storage in Transit
UNL	Unloading (Labor Charges)
VOR	Vehicle Ordered but Not Used
WFT	Wasted/Futile Trip
WTV	Weight Verification Charge

Segment: **SE** Transaction Set Trailer
Position: 0200
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M 1 N0 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9