

**ANSI ASC X.12 Standard  
Version 4010  
Transaction Set 210  
Motor Carrier Freight Details and Invoice**

Revised 01/04/11



**Freight Solution Providers** *Worldwide Transportation Logistics*  
2851 Gold Tailings Court, Rancho Cordova, CA 95670 [www.shipfsp.com](http://www.shipfsp.com) 1.800.562.9915

# 210

## Motor Carrier Freight Details and Invoice

Functional Group=**IM**

This Draft Standard for 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.

### Segments:

<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			Used
	GS	Functional Group Header	M	1			Used

### 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	O	300			

#### LOOP ID - 0100

					<u>1</u>		
110	N1	Name	M	1			Used
130	N3	Address Information	M	2			Used
140	N4	Geographic Location	M	1			Used
150	N9	Reference Identification	M	5			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>
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#### LOOP ID - 0400

					<u>9999</u>		
120	LX	Assigned Number	M	1			Used
130	N9	Reference Identification	M	5			Used
137	POD	Proof Of Delivery	M	1			Used
140	L5	Description, Marks and Numbers	M	30			Used
170	L0	Line Item - Quantity and Weight	M	10			Used
180	L1	Rate and Charges	M	10			Used
190	L4	Measurement	M	10			Used

#### LOOP ID - 0460

					<u>2</u>		
240	N1	Name	M	1			Used
260	N3	Address Information	M	2			Used
270	N4	Geographic Location	M	1			Used
280	N9	Reference Identification	M	10			Used

#### LOOP ID - 0463

					<u>1</u>		
300	CD3	Carton (Package) Detail	O	1			Used



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340	G62	Date/Time	M	1	Used	
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**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			Used
020	SE	Transaction Set Trailer	M	1			Used
	GE	Functional Group Trailer	M	1			Used
	IEA	Interchange Control Trailer	M	1			Used

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**Freight Solution Providers** *Worldwide Transportation Logistics*  
2851 Gold Tailings Court, Rancho Cordova, CA 95670 [www.shipfsp.com](http://www.shipfsp.com) 1.800.562.9915

# ISA

## Interchange Control Header

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 16

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

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	<b>Authorization Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Authorization Information <u>Code</u> <u>Name</u> 00 No Authorization Information Present (No Meaningful Information in I02)	M	ID	2/2	Must use
ISA02	I02	<b>Authorization Information</b> <b>Description:</b> 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)	M	AN	10/10	Must use
ISA03	I03	<b>Security Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Security Information <u>Code</u> <u>Name</u> 00 No Security Information Present (No Meaningful Information in I04)	M	ID	2/2	Must use
ISA04	I04	<b>Security Information</b> <b>Description:</b> 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)	M	AN	10/10	Must use
ISA05	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code</u> <u>Name</u> 02 Carrier SCAC (Standard Carrier Alpha Code)	M	ID	2/2	Must use
ISA06	I06	<b>Interchange Sender ID</b> <b>Description:</b> 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 <b>User Note:</b>	M	AN	15/15	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>
		<b>CARRIER SCAC CODE</b>				
ISA07	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code</u> <u>Name</u> 02 Carrier SCAC (Standard Carrier Alpha Code)	M	ID	2/2	Must use
ISA08	I07	<b>Interchange Receiver ID</b> <b>Description:</b> 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 <b>User Note:</b> Receiver ID	M	AN	15/15	Must use
ISA09	I08	<b>Interchange Date</b> <b>Description:</b> Date of the interchange	M	DT	6/6	Must use
ISA10	I09	<b>Interchange Time</b> <b>Description:</b> Time of the interchange	M	TM	4/4	Must use
ISA11	I10	<b>Interchange Control Standards Identifier</b> <b>Description:</b> 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.	M	ID	1/1	Must use
ISA12	I11	<b>Interchange Control Version Number</b> <b>Description:</b> This version number covers the interchange control segments <u>Code</u> <u>Name</u> 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use
ISA13	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	<b>Acknowledgment Requested</b> <b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1) <u>Code</u> <u>Name</u> 0 No Acknowledgment Requested	M	ID	1/1	Must use
ISA15	I14	<b>Usage Indicator</b> <b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information <u>Code</u> <u>Name</u> P Production Data	M	ID	1/1	Must use
ISA16	I15	<b>Component Element Separator</b> <b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to	M		1/1	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>
		separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

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# GS

## Functional Group Header

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 8

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

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	<b>Functional Identifier Code</b> <b>Description:</b> Code identifying a group of application related transaction sets <u>Code</u> <u>Name</u> IM Motor Carrier Freight Details and Invoice (210)	M	ID	2/2	Must use
GS02	142	<b>Application Sender's Code</b> <b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners <b>User Note:</b> CARRIER SCAC CODE	M	AN	2/15	Must use
GS03	124	<b>Application Receiver's Code</b> <b>Description:</b> Code identifying party receiving transmission. Codes agreed to by trading partners <b>User Note:</b> RECEIVER SCAC CODE 'KLSA'	M	AN	2/15	Must use
GS04	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	<b>Time</b> <b>Description:</b> 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)	M	TM	4/8	Must use
GS06	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	<b>Responsible Agency Code</b> <b>Description:</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard <u>Code</u> <u>Name</u> X Accredited Standards Committee X12	M	ID	1/2	Must use
GS08	480	<b>Version / Release / Industry Identifier Code</b> <b>Description:</b> Code indicating the version, release, subrelease, and industry	M	AN	1/12	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>				
		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								
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>004010</td><td>Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997</td></tr></table>	<u>Code</u>	<u>Name</u>	004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				
<u>Code</u>	<u>Name</u>									
004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board 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

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	<b>Transaction Set Identifier Code</b> <b>Description:</b> Code uniquely identifying a Transaction Set	M	ID	3/3	Must use				
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>210</td><td>Motor Carrier Freight Details and Invoice</td></tr></table>	<u>Code</u>	<u>Name</u>	210	Motor Carrier Freight Details and Invoice				
<u>Code</u>	<u>Name</u>									
210	Motor Carrier Freight Details and Invoice									
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> 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., 210 selects the Invoice Transaction Set).



# B3

## Beginning Segment for Carrier's Invoice

Pos: 020 Max: 1  
Heading - Mandatory  
Loop: N/A Elements: 10

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	<b>Invoice Number</b> <b>Description:</b> Identifying number assigned by issuer	M	AN	1/22	Must use
B303	145	<b>Shipment Identification Number</b> <b>Description:</b> 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) <b>User Note:</b> <i>Master Bill Number, House Bill, or Manifest Number from the Alert</i>	M	AN	1/30	Used
B304	146	<b>Shipment Method of Payment</b> <b>Description:</b> Code identifying payment terms for transportation charges <u>Code</u> <u>Name</u> PP Prepaid	M	ID	2/2	Must use
B305	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit <u>Code</u> <u>Name</u> L Pounds	O	ID	1/1	Used
B306	373	<b>Date</b> <b>Description:</b> Billing Date expressed as CCYYMMDD	M	DT	8/8	Must use
B307	193	<b>Net Amount Due</b> <b>Description:</b> 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
B308	202	<b>Correction Indicator</b> <u>Code</u> <u>Name</u> RB Rebilling (Ignore previous bill)  Blank if 1 <sup>st</sup> bill	O	ID	2/2	Used
B309	32	<b>Invoice Due Date</b> <b>Description:</b> Invoice due date expressed in format CCYYMMDD	C	DT	8/8	Used



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
B310	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>013</td><td>Terms Net Due</td></tr></table>	<u>Code</u>	<u>Name</u>	013	Terms Net Due	C	ID	3/3	Used
<u>Code</u>	<u>Name</u>									
013	Terms Net Due									
B311	140	<b>Standard Carrier Alpha Code</b> <b>Description:</b> Standard Carrier Alpha Code <b>User Note:</b> <i>CARRIER SCAC CODE</i>	M	ID	2/4	Must use				

### Syntax:

1. B309 P0910 -- If either B309 or B310 are present, then the others are required.

### Semantics:

1. B306 is the billing date.
2. B308 indicates if this is a rebill.
2. B309 is the Invoice due date. B310 is coded as "013".



# C3

## Currency

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

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	Used

Code (Standard ISO) for country in whose currency the charges are specified

<u>Code</u>	<u>Name</u>
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USD	United States
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### Syntax:



# N9

## Reference Identification

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

To transmit identifying information as specified by the Reference Identification Qualifier

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	Reference Identification Qualifier	O	ID	2/3	Used

Code qualifying the Reference Identification

Code	NAME
BM	HAWB Number
CR	Reference Number
Q6	Used to identify pickup vs delivery N902 for qualifier Q6 Pickup Only = PU Delivery Only = DL Transfer=XFR Line Haul = LH Misc = MSC Airport to Door = A2D Door to Airport = D2A Door to Door = D2D Pickup / Delivery = PD

\*Note: The BOL Number is required either in this header N9 segment with qualifier 'BM' or in the B303.

N902	127	Reference Identification	O	AN	1/30	Used
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#### User Note:

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

### Syntax:

Syntax Notes:

Semantic Notes:

Comments:



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# N1

## Name

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

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use						
		<table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>SH</td><td>Ship From Information</td></tr><tr><td>CN</td><td>Ship To Information</td></tr></table>	<u>Code</u>	<u>Name</u>	SH	Ship From Information	CN	Ship To Information				
<u>Code</u>	<u>Name</u>											
SH	Ship From Information											
CN	Ship To Information											
N102	93	<b>Name</b> <b>Description:</b> Free-form name	M	AN	1/60	Used						

### Syntax:

### Comments:



# N3

## Address Information

Pos: 130	Max: 2
Heading - Mandatory	
Loop: 0100	Elements: 1

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	Used



# N4

## Geographic Location

Pos: 140	Max: 1
Heading - Mandatory	
Loop: 0100	Elements: 4

To specify the geographic place of the named party

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	City Name Description: Free-form text for city name	M	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	M	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
N404		Country Code Description: Code identifying the country	O	AN	2/3	Used
		Country Code				
		CA				Canada
		MX				Mexico
		PR				Puerto Rico
		US				United States

### Syntax:

1. N406 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.





# LX

## Assigned Number

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

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 <b>Description:</b> Number assigned for differentiation within a transaction set	M	N0	1/6	Must use

Each LX loop contains one line item charge.

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# POD Proof of Delivery

Pos: 137	Max: 1
Detail - Mandatory	
Loop: 0400	Elements: 3

To provide proof of delivery (to whom and when did you tender the freight)

## 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	<b>Pickup Date</b>  Date expressed as CCYYMMDD	<b>M</b>	<b>DT</b>	<b>8/8</b>	<b>Used</b>
POD02	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, where H = hours (00-23), M = minutes (00-59)	<b>M</b>	<b>TM</b>	<b>4/4</b>	<b>Used</b>
POD03	93	<b>Name</b> Free-form name	<b>M</b>	<b>AN</b>	<b>1/30</b>	<b>Used</b>



# L5

## Description, Marks and Numbers

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

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	<b>Lading Line Item Number</b> <b>Description:</b> Sequential line number for a lading item	M	N0	1/3	Used
L502	79	<b>Lading Description</b> <b>Description:</b> Charge Description.	M	AN	1/50	Used

### Syntax:

### Comments:



# L0

## Line Item - Quantity and Weight

Pos: 170	Max: 10
Detail - Mandatory	
Loop: 0400	Elements: 8

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

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L001	213	<b>Lading Line Item Number</b> <b>Description:</b> Sequential line number for a lading item	O	N0	1/3	Used
L002	220	<b>Billed/Rated-as Quantity</b> <b>Description:</b> Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	C	R	1/11	Used
L003	221	<b>Billed/Rated-as Qualifier</b> <b>Description:</b> Code identifying the type of quantity or value on which the rate or item pricing is based <u>Code Name</u> LC 100 Pounds	C	ID	2/2	Used
L004	81	<b>Weight</b> <b>Description:</b> Numeric value of weight	C	R	1/10	Used
L005	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight <u>Code Name</u> G Gross Weight A1 Dimensional Weight A2 Reweighed by Carrier A3 Shippers Weight (Original Weight)	C	ID	1/2	Used
L008	80	<b>Lading Quantity</b> <b>Description:</b> Number of units (pieces) of the lading commodity	C	N0	1/7	Used
L009	211	<b>Packaging Form Code</b> <b>Description:</b> Code for packaging form of the lading quantity <u>Code Name</u> PCS Pieces	C	ID	3/3	Used
L011	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit <u>Code Name</u>	O	ID	1/1	Used



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
	L	Pounds				

### Syntax:

1. L002 P0203 -- If either L002 or L003 are present, then the others are required.
2. L004 P0405 -- If either L004 or L005 are present, then the others are required.
3. L006 P0607 -- If either L006 or L007 are present, then the others are required.
4. L008 P0809 -- If either L008 or L009 are present, then the others are required.
5. L011 C1104 -- If L011 is present, then L004 is required
6. L013 P1315 -- If either L013 or L015 are present, then the others are required.

### Semantics:

### Comments:



# L1

## Rate and Charges

Pos: 180	Max: 10
Detail - Mandatory	
Loop: 0400	Elements: 6

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

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage												
L101	213	<b>Lading Line Item Number</b> <b>Description:</b> Sequential line number for a lading item	O	N0	1/3	Used												
L102	60	<b>Freight Rate</b> <b>Description:</b> Rate that applies to the specific commodity	C	R2	1/9	Used												
L103	122	<b>Rate/Value Qualifier</b> <b>Description:</b> Code qualifying how to extend charges or interpret value	C	ID	2/2	Used												
		<table><tr><th>Code</th><th>Name</th></tr><tr><td>FR</td><td>FLAT RATE</td></tr><tr><td>AG</td><td>PERCENTAGE</td></tr><tr><td>CW</td><td>PER HUNDRED WEIGHT</td></tr><tr><td>LB</td><td>PER POUND</td></tr><tr><td>PR</td><td>PER HOUR</td></tr></table>	Code	Name	FR	FLAT RATE	AG	PERCENTAGE	CW	PER HUNDRED WEIGHT	LB	PER POUND	PR	PER HOUR				
Code	Name																	
FR	FLAT RATE																	
AG	PERCENTAGE																	
CW	PER HUNDRED WEIGHT																	
LB	PER POUND																	
PR	PER HOUR																	
L104	58	<b>Charge</b> <b>Description:</b> 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	C	N2	1/12	Used												
L108	150	<b>Special Charge or Allowance Code</b> <b>Description:</b> Code identifying type of special charge or allowance	O	ID	3/3	Used												
		<b>Use Notes:</b>																
		<table><tr><th>Code</th><th>Name</th></tr><tr><td>FUE</td><td>Fuel Charge</td></tr><tr><td>DEL</td><td>Delivery</td></tr><tr><td>PU</td><td>Pickup</td></tr></table>	Code	Name	FUE	Fuel Charge	DEL	Delivery	PU	Pickup								
Code	Name																	
FUE	Fuel Charge																	
DEL	Delivery																	
PU	Pickup																	
L112	276	<b>Special Charge Description</b> <b>Description:</b> Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150	O	AN	2/25	Used												
L117	220	<b>Billed/Rated-as Quantity</b> <b>Description:</b> Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	X	R	1/11	Used												



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L118	221	<b>Billed/Rated-as Qualifier</b> <b>Description:</b> Code identifying the type of quantity or value on which the rate or item pricing is based  <u><b>CODE DEFINITION AND EXPLANATION</b></u> <b>AR</b> Appurtenance (Enhancements/Additions to Equipment) <b>BA</b> Barrels Identifies a billable unit expressed as a type of container <b>BX</b> Box <b>CC</b> Cubic Centimeter <b>CF</b> Cubic Foot <b>CM</b> Centimeter <b>DK</b> Kilometers <b>DM</b> Miles <b>DR</b> Drivers Identifies a billable unit expressed as persons operating equipment <b>EA</b> Each <b>FR</b> Flat Rate <b>FT</b> Foot <b>GC</b> 100 Gallons <b>GL</b> Gallon <b>KG</b> Kilogram <b>LB</b> Pound <b>LC</b> 100 Pounds <b>LH</b> 100 Liters <b>LR</b> Liter <b>MR</b> Mileage <b>MT</b> Measurement Ton <b>MV</b> Monetary Value <b>NB</b> Barge <b>NC</b> Car <b>ND</b> Cord A volume measurement <b>NG</b> Nights Identifies a billable unit expressed as nights; one night is the period between 6 p.m. of a given day to 6 a.m. of the next <b>NL</b> Load <b>NN</b> Train <b>NP</b> Piece <b>NR</b> Container <b>NT</b> Trailer <b>NU</b> Unit A specific measurement in rating shipments <b>NV</b> Vehicle <b>OR</b> Other <b>PK</b> Package <b>PR</b> Persons Identifies a billable unit expressed as persons performing an additional service other than the	X	ID	2/22	Used



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		operation of equipment				
		<b>RV</b> Release Value				
		<b>SP</b> Stops				
		Identifies a billable unit expressed as stops that are authorized as part of a shipment of goods				
		<b>ST</b> Number of States				
		<b>SY</b> Square Yards				
		<b>TD</b> Days				
		<b>TH</b> Hours				
		<b>TN</b> Tons				
		Identifies a billable unit expressed as short tons (2000 pounds)				
		<b>TR</b> Time				
		<b>VA</b> Actual Volume				
		<b>VC</b> Chargeable Volume				
		<b>VM</b> Volume Metric Unit				

### Syntax:

1. L102 P0203 -- If either L102 or L103 are present, then the others are required.
2. L104 R040506 -- At least one of L104, L105 or L106 is required.
3. L114 P1415 -- If either L114 or L115 are present, then the others are required.
4. L117 P1718 -- If either L117 or L118 are present, then the others are required.
5. P1718 - If either L117 or L118 is present, then the other is required.

### Semantics:

1. If L108 and L112 is blank it is considered an LTL shipment charge.
2. If L108 is blank then L112 describes the charge type.
3. If L112 is blank then L108 describes the charge type.





# L4

## Measurement

Pos: 190	Max: 10
Detail - Mandatory	
Loop: 0400	Elements: 5

To describe physical dimensions and quantities

### 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>
L401	82	Length	O	R0	1/8	Used
L402	189	Width	O	R0	1/8	Used
L403	65	Height	O	R0	1/8	Used
L404	90	Measurement Unit Qualifier	O	ID	1/1	Used
L405	380	Quantity	O	R0	1/15	Used

### Comments:

1. This segment is used only if there is a dimmed weight.
2. If any element used then all are required.



# G62

## Date/Time

Pos: 340	Max: 1
Detail - Mandatory	
Loop: 0463	Elements: 2

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	<b>Date Qualifier</b> <b>Description:</b> Code specifying type of date <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>11</td><td>Shipped on This Date</td></tr></table>	<u>Code</u>	<u>Name</u>	11	Shipped on This Date	M	ID	2/2	Used
<u>Code</u>	<u>Name</u>									
11	Shipped on This Date									
G6202	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	C	DT	8/8	Used				

### Syntax:

1. G6201 R0103 -- At least one of G6201 or G6203 is required.
2. G6201 P0102 -- If either G6201 or G6202 are present, then the others are required.



# L3

## Total Weight and Charges

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage				
L301	81	<b>Weight</b> <b>Description:</b> Numeric value of weight	C	R	1/10	Used				
L302	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight <table><tr><th>Code</th><th>Name</th></tr><tr><td>G</td><td>Gross Weight</td></tr></table>	Code	Name	G	Gross Weight	C	ID	1/2	Used
Code	Name									
G	Gross Weight									
L305	58	<b>Charge</b> <b>Description:</b> 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	N2	1/12	Used				
L311	80	<b>Lading Quantity</b> <b>Description:</b> Number of units (pieces) of the lading commodity	O	N0	1/7	Used				

### Syntax:

1. L301 P0102 -- If either L301 or L302 are present, then the others are required.
2. L303 P0304 -- If either L303 or L304 are present, then the others are required.
3. L309 P0910 -- If either L309 or L310 are present, then the others are required.
4. L312 C1201 -- If L312 is present, then L301 is required
5. L314 P1415 -- If either L314 or L315 are present, then the others are required.

### Semantics:

1. L305 is the total charges for this MAWB/Pro.



# SE

## Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> 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:

- SE is the last segment of each transaction set.



# GE

## Functional Group Trailer

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

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

### Element Summary:

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

### 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
- Mandatory	
Loop: N/A	Elements: 2

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

### Element Summary:

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



ISA\*00\* \*00\* \*02\*SCAC \*02\*KLSA \*101001\*1010\*U\*00400\*001234567\*0\*P\*:

GS\*IM\*SCAC\*KLSA\*20101001\*1010\*001234567\*X\*004010

ST\*210\*0001

B3\*\*FRE1001\*131531315\*PP\*G\*20120125\*5332\*\*20120113\*035\*\*20120113  
C3\*USD  
N9\*BM\*121531315  
N9\*Q6\*DL  
N1\*SH\*FREIGHT SOLUTION PROVIDERS\*25\*FRE1001  
N3\*2851 GOLD TAILINGS COURT  
N4\*RANCHO CORDOVA\*CA\*95670  
N1\*CN\*MCDONALDS #14888\*25\*0000  
N3\*12593 NORTH HICKORY STREET  
N4\*LOXLEY\*AL\*36551  
LX\*1  
POD\*20120113\*1320\*K HACKETT  
L5\*1\*DELIVERY CHARGE  
L0\*1\*170\*LC\*170\*G\*\*\*1\*PCS  
L1\*1\*24.24\*FR\*2424\*\*\*\*DEL\*\*\*\*DELIVERY CHARGE  
LX\*2  
L5\*2\*FUEL CHARGE  
L1\*2\*\*\*242\*\*\*\*FUE\*\*\*\*FUEL CHARGE  
L3\*170\*G\*\*\*2666\*\*\*\*\*1\*L

SE\*29\*0001

GE\*1\*001234567

IEA\*1\*001234567

**Example With Typical Data** ASC X12, Version 4010 Transaction Set 210 - This is an invoice sample message. The new line feed character is represented by a hex (15) N/L.



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2851 Gold Tailings Court, Rancho Cordova, CA 95670 [www.shipfsp.com](http://www.shipfsp.com) 1.800.562.9915