

## **Insight 210 Spec Changes – 09/21/2022 Version 3.0**

- Updated 210 spec mandatory/conditional status against the 210 map to make it a bit more accurate along with other changes that are noted.

### **COVER PAGE UPDATE**



# **210 Motor Carrier Freight Details and Invoice**

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

**Version: 3.0 Final**

Company: Insight Direct USA, Inc.  
Publication: 8/29/2022

**B3 BEFORE**

# B3 Beginning Segment for Carrier's Invoice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

User Option (Usage): Must use

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

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B302	76	Invoice Number	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer				
B303	145	Shipment Identification Number	O	AN	1/30	Used
		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)				
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)				
		<u>Code</u>	<u>Name</u>			
		CC	Collect			
		CD	Collect on Delivery			
		DE	Per Contract			
		PP	Prepaid (by Seller)			
		TP	Third Party Pay			
B305	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit				
		L	Pounds			
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				
B309	32	Delivery Date	X	DT	8/8	Used
		Description: 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	Used
		Description: Code specifying type of date or time, or both date and time				
		All valid standard codes are used. (Total Codes: 1112)				
B311	140	Standard Carrier Alpha Code	M	ID	2/4	Must use

## B3 AFTER

# B3 Beginning Segment for Carrier's Invoice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

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						
B303	145	Shipment Identification Number	M	AN	1/30	Must use
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)						
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)						
<u>Code Name</u>						
CC Collect						
CD Collect on Delivery						
DE Per Contract						
PP Prepaid (by Seller)						
TP Third Party Pay						
B305	188	Weight Unit Code	M	ID	1/1	Must use
Description: Code specifying the weight unit						
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						
B309	32	Delivery Date	M	DT	8/8	Must use
Description: Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD						
B310	374	Date/Time Qualifier	M	ID	3/3	Must use
Description: Code specifying type of date or time, or both date and time						
All valid standard codes are used. (Total Codes: 1112)						
B311	140	Standard Carrier Alpha Code	M	ID	2/4	Must use

**CUR BEFORE**

## C3 Currency

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

User Option (Usage): Used

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

## CUR AFTER

## 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

**ITD – NOT MAPPED BUT IN SPEC FILE – WILL REMOVE**

# ITD Terms of Sale/Deferred Terms of Sale

Pos: 050	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

Purpose: To specify terms of sale

## 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>
ITD06	446	<b>Terms Net Due Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date when total invoice amount becomes due expressed in format CCYYMMDD				
ITD07	386	<b>Terms Net Days</b>	O	N0	1/3	Used
		<b>Description:</b> Number of days until total invoice amount is due (discount not applicable)				
ITD08	362	<b>Terms Discount Amount</b>	O	N2	1/10	Used
		<b>Description:</b> Total amount of terms discount				
ITD09	388	<b>Terms Deferred Due Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD				

## Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.

## N9 BEFORE

# N9 Reference Identification

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

User Option (Usage): Used

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	X	AN	1/30	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

## N9 AFTER

# N9 Reference Identification

Pos: 060	Max: 30
Heading - Mandatory	
Loop: N/A	Elements:

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

**G62 BEFORE**

# G62 Date/Time

Pos: 070      Max: 6  
 Heading - Optional  
 Loop: N/A      Elements: 4

User Option (Usage): Used

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	<b>Date Qualifier</b>	X	ID	2/2	Used
		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	<b>Date</b>	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
G6203	176	<b>Time Qualifier</b>	X	ID	1/2	Used
		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	<b>Time</b>	X	TM	4/8	Used
		Description: Time expressed in 24 hour clock time as follows: HHMM or HHMMSS or				

## G62 AFTER

# 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	<b>Date Qualifier</b>	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	<b>Date</b>	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
G6203	176	<b>Time Qualifier</b>	M	ID	1/2	Must use
		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	<b>Time</b>	M	TM	4/8	Must use
		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				

**R3 – R301 AND R302 IN SPEC BUT NOT MAPPED – REMOVE**

## R3 Route Information - Motor

Pos: 080 Max: 12  
Heading - Optional  
Loop: N/A Elements: 3

User Option (Usage): Used

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>
R301	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
R302	133	Routing Sequence Code	M	ID	1/2	Must use

Description: Code describing the relationship of a carrier to a specific shipment movement

Code List Summary (Total Codes: 23, Included: 1)

Code Name

B Origin/Delivery Carrier (Any Mode)

R310	284	Service Level Code	X	ID	2/2	Used
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Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier

All valid standard codes are used. (Total Codes: 66)

## R3 AFTER

## 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

All valid standard codes are used. (Total Codes: 66)

## K1 BEFORE – IN SPEC BUT NOT MAPPED - REMOVED

## K1 Remarks

Pos: 100	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To transmit information in a free-form format for comment or special instruction

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
K101	61	Free-Form Message	M	AN	1/30	Must use
		Description: Free-form information				
K102	61	Free-Form Message	O	AN	1/30	Used
		Description: Free-form information				

## N1 BEFORE

## N1 Name

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

User Option (Usage): Used

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

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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	X	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	X	ID	1/2	Used
		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	X	AN	2/80	Used
		Description: Code identifying a party or other code				

## N1 AFTER

# 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)						
<u>Code Name</u>						
BT Bill-to-Party						
CN Consignee						
SH Shipper						
N102	93	Name	M	AN	1/60	Must use
Description: Free-form name						
N103	66	Identification Code Qualifier	M	ID	1/2	Must use
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
Description: Code identifying a party or other code						

## N3 BEFORE

# N3 Address Information

Pos: 130	Max: 2
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Used

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						

## N3 AFTER

# N3 Address Information

Pos: 130	Max: 1
Heading - <b>Mandatory</b>	
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						

## N4 BEFORE – REMOVE LAST 2 ELEMENTS NOT MAPED

# N4 Geographic Location

Pos: 140	Max: 1
Heading - <b>Optional</b>	
Loop: 0100	Elements: 6

User Option (Usage): Used

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	O	AN	2/30	Used
Description: Free-form text for city name						
N402	156	State or Province Code	O	ID	2/2	Used
Description: Code (Standard State/Province) as defined by appropriate government agency						
N403	116	Postal Code	O	ID	3/15	Used
Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)						
N404	26	Country Code	O	ID	2/3	Used
Description: Code identifying the country						
N405	309	Location Qualifier	X	ID	1/2	Used
Description: Code identifying type of location All valid standard codes are used. (Total Codes: 172)						
N406	310	Location Identifier	O	AN	1/30	Used
Description: Code which identifies a specific location						

## N4 AFTER

# 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	<b>City Name</b>	M	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	<b>State or Province Code</b>	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	M	ID	3/15	Must use
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	M	ID	2/3	Must use
		Description: Code identifying the country				

## Example:

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

**N9 IN SPEC BUT NOT MAPPED - REMOVED**

# N9 Reference Identification

Pos: 150	Max: 5
Heading - Optional	
Loop: 0100	Elements: 7

User Option (Usage): Used

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 All valid standard codes are used. (Total Codes: 1503)				
N902	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N903	369	Free-form Description	X	AN	1/45	Used
		Description: Free-form descriptive text				
N904	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
N905	337	Time	X	TM	4/8	Used
		Description: Time expressed in 24-hour clock time as follows: HHMM or HHMMSS or				

**POD BEFORE – REMOVE LAST 2 ELEMENTS – NOT MAPPED -  
REMOVED**

# POD Proof of Delivery

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

User Option (Usage): Used

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						
POD02	337	Time	O	TM	4/8	Used
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)						
POD03	93	Name	M	AN	1/60	Must use
Description: Free-form name						

**L5 BEFORE – IN SPEC BUT NOT MAPPED - REMOVED**

# L5 Description, Marks and Numbers

Pos: 140	Max: 30
Detail - Optional	
Loop: 0400	Elements: 10

User Option (Usage): Used

Purpose: 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	O	NO	1/3	Used
		Description: Sequential line number for a lading item				
L502	79	Lading Description	O	AN	1/50	Used
		Description: Description of an item as required for rating and billing purposes				
L503	22	Commodity Code	X	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
L504	23	Commodity Code Qualifier	X	ID	1/1	Used
		Description: Code identifying the commodity coding system used for Commodity Code All valid standard codes are used. (Total Codes: 23)				
L505	103	Packaging Code	O	AN	3/5	Used
		Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required All valid standard codes are used. (Total Codes: 203)				
L506	87	Marks and Numbers	X	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
L507	88	Marks and Numbers Qualifier	O	ID	1/2	Used
		Description: Code specifying the application or source of Marks and Numbers (87)				

**L0 BEFORE**

# L0 Line Item - Quantity and Weight

Pos: 170	Max: 10
Detail - Optional	
Loop: 0400	Elements: 6

User Option (Usage): Used

Purpose: 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	Lading Line Item Number	O	N0	1/3	Used
		Description: Sequential line number for a lading item				
L004	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
L005	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight				
		Code List Summary (Total Codes: 51, Included: 1)				
		<u>Code</u> <u>Name</u>				
		B Billed Weight				
L008	80	Lading Quantity	X	N0	1/7	Used
		Description: Number of units (pieces) of the lading commodity				
L009	211	Packaging Form Code	X	ID	3/3	Used
		Description: Code for packaging form of the lading quantity				
		All valid standard codes are used. (Total Codes: 134)				
L011	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit				

## L0 AFTER

# L0 Line Item - Quantity and Weight

Pos: 170	Max: 10
Detail - Mandatory	
Loop: 0400	Elements: 6

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>
L004	81	<b>Weight</b>	M	R	1/10	Must use
		Description: Numeric value of weight				
L005	187	<b>Weight Qualifier</b>	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>		
		B		Billed Weight		
L008	80	<b>Lading Quantity</b>	M	N0	1/7	Must use
		Description: Number of units (pieces) of the lading commodity				
L009	211	<b>Packaging Form Code</b>	M	ID	3/3	Must use
		Description: Code for packaging form of the lading quantity				
		All valid standard codes are used. (Total Codes: 134)				
L010	458	<b>Dunnage Description</b>	M	AN	2/25	Must use
		Description: Material used to protect lading				
L011	188	<b>Weight Unit Code</b>	M	ID	1/1	Must use
		Description: Code specifying the weight unit				
		All valid standard codes are used. (Total Codes: 8)				

**L1 BEFORE**

# L1 Rate and Charges

Pos: 180 Max: 10  
Detail - Optional  
Loop: 0400 Elements: 4

User Option (Usage): Used

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>
L101	213	Lading Line Item Number	O	N0	1/3	Used
		Description: Sequential line number for a lading item				
L104	58	Charge	X	N2	1/12	Used
		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	O	ID	3/3	Used

## L1 AFTER – L101 NOT MAPPED – REMOVED FROM SPEC

# 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
		Description: Code identifying type of special charge or allowance				

## L4 BEFORE – NOT MAPPED - REMOVED

# L4 Measurement

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

User Option (Usage): Used

Purpose: 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	<b>Length</b>	M	R	1/8	Must use
		<b>Description:</b> Largest horizontal dimension of an object measured when the object is in the upright position				
L402	189	<b>Width</b>	M	R	1/8	Must use
		<b>Description:</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
L403	65	<b>Height</b>	M	R	1/8	Must use
		<b>Description:</b> Vertical dimension of an object measured when the object is in the upright position				
L404	90	<b>Measurement Unit Qualifier</b>	M	ID	1/1	Must use
		<b>Description:</b> Code specifying the linear dimensional unit All valid standard codes are used. (Total Codes: 4)				

**L3 BEFORE**

# L3 Total Weight and Charges

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

User Option (Usage): Used

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	<b>Weight</b> Description: Numeric value of weight	X	R	1/10	Used
L302	187	<b>Weight Qualifier</b> 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	X	ID	1/2	Used
L305	58	<b>Charge</b> 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	O	N2	1/12	Used
L311	80	<b>Lading Quantity</b> Description: Number of units (pieces) of the lading commodity	O	N0	1/7	Used
L312	188	<b>Weight Unit Code</b> Description: Code specifying the weight unit All valid standard codes are used. (Total Codes: 8)	O	ID	1/1	Used

## L3 AFTER

# L3 Total Weight and Charges

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

**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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L301	81	<b>Weight</b> Description: Numeric value of weight	M	R	1/10	Must use
L302	187	<b>Weight Qualifier</b> Description: Code defining the type of weight Code List Summary (Total Codes: 51, Included: 1) <u>Code Name</u> N Actual Net Weight	M	ID	1/2	Must use
L305	58	<b>Charge</b> 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	M	N2	1/12	Must use
L311	80	<b>Lading Quantity</b> Description: Number of units (pieces) of the lading commodity	M	N0	1/7	Must use
L312	188	<b>Weight Unit Code</b> Description: Code specifying the weight unit All valid standard codes are used. (Total Codes: 8)	M	ID	1/1	Must use

## Insight 210 Spec Changes – 03/21/2023 Version 3.1

- R3 – update example in the notes section
- R3 – add the service level types to the map
- P0D03 – Add element mandatory per standard but we had it inactive
- L010 – deactivate element , we don't map it