210 Motor Carrier Freight Details and Invoice

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

Version: 1.5 Final

Company:	**Cardinal Glass Industries**
Publication:	**5/29/2015**
Notes:	**5/28/2024 –**
	ISA06 and GS02(SCAC), ISA13, N9 "PO" and "PE"

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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 detailed 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.

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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	M	300			Used
100	K1	Remarks	O	10			Used
LOOP ID - 0100					**10**		
110	N1	Name	O	1			Used
120	N2	Additional Name Information	O	1			Used
130	N3	Address Information	O	2			Used
140	N4	Geographic Location	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - 0300					**999**	**N2/010L**	
010	S5	Stop Off Details	O	1		N2/010	Used
LOOP ID - 0310					**2**		
050	N1	Name	O	1			Used
080	N4	Geographic Location	O	1			Used
LOOP ID - 0400					**9999**		
120	LX	Assigned Number	O	1			Used
130	N9	Reference Identification	O	5			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
210	K1	Remarks	O	10			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	L3	Total Weight and Charges	O	1			Used
020	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

2/010L   Loops 0300, 0305, 0310 and 0320 shall only be used to identify all stop-off locations and associated data for loading and unloading of freight with the exception of the original stop-off location (shipper) for truckload carriers. The original stop-off location (shipper) shall be transmitted in loop 0100.

2/010   Loops 0300, 0305, 0310 and 0320 shall only be used to identify all stop-off locations and associated data for loading and unloading of freight with the exception of the original stop-off location (shipper) for truckload carriers. The original stop-off location (shipper) shall be transmitted in loop 0100.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

Purpose: 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	**Authorization Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Authorization Information
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA02	I02	**Authorization Information**	M	AN	10/10	Must use

Description: 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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Security Information
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA04	I04	**Security Information**	M	AN	10/10	Must use

Description: 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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use

Description: 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. *Cardinal Glass requires SCAC to be used for this value.*

Note: SCAC - Standard Carrier Alpha Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

Code Name
01   Duns (Dun & Bradstreet)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

Description: 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
User Note 1: *006249015 (Cardinal DUNS No.)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Date of the interchange				
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use

Description: 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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use

Description: Code specifying the version number of the interchange control segments

Code **Name**

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Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Must use

Description: Code sent by the sender to request an interchange acknowledgment (TA1)

Code **Name**

0   No Acknowledgment Requested
1   Acknowledgment Requested

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA15	I14	**Usage Indicator**	M	ID	1/1	Must use

Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information

Code **Name**

P   Production Data
T   Test Data

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA16	I15	**Component Element Separator**	M		1/1	Must use

Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

Purpose: 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	**Functional Identifier Code**	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

Code Name

IM   Motor Carrier Freight Details and Invoice (210, 980)

| GS02 | 142 | **Application Sender's Code** | M | AN | 2/15 | Must use |

Description: Code identifying party sending transmission; codes agreed to by trading partners. ***Cardinal Glass requires SCAC to be used for this value.***

Note: SCAC - Standard Carrier Alpha Code

| GS03 | 124 | **Application Receiver's Code** | M | AN | 2/15 | Must use |

Description: Code identifying party receiving transmission; codes agreed to by trading partners

User Note 1: *006249015 (Cardinal DUNS No.)*

| GS04 | 373 | **Date** | M | DT | 8/8 | Must use |

Description: Date expressed as CCYYMMDD

| GS05 | 337 | **Time** | 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 = tenths (0-9) and DD = hundredths (00-99)

| GS06 | 28 | **Group Control Number** | M | N0 | 1/9 | Must use |

Description: Assigned number originated and maintained by the sender

| GS07 | 455 | **Responsible Agency Code** | M | ID | 1/2 | Must use |

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

Code Name

X   Accredited Standards Committee X12

| GS08 | 480 | **Version / Release / Industry Identifier Code** | M | AN | 1/12 | Must use |

Description: Code indicating the version, release, subrelease, and industry 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

Code	Name
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**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

> **Description:** Code uniquely identifying a Transaction Set

> | Code | Name |
> |---|---|
> | 210 | Motor Carrier Freight Details and Invoice |

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

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: 8

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

User Note 1: *The B303 is to contain only one of the following:*

* Cardinal's Bill of Lading Number
* Cardinal's, Load Number
* "RACKS" if the freight invoice is for a rack return
* "CULLET" if the freight invoice is for glass cullet

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B304	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

Code	Name
CC	Collect
PP	Prepaid (by Seller)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B306	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B310	374	**Date/Time Qualifier**	X	ID	3/3	Used

Description: Code specifying type of date or time, or both date and time

Code	Name
035	Delivered

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B311	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use

Description: Standard Carrier Alpha Code

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

<div style="border:1px solid black">

Pos: 060   **Max: 300**

Heading - Mandatory

Loop: N/A   **Elements: 3**

</div>

User Option (Usage): Used

Purpose: 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**	M	ID	2/3	Must use

    Description: Code qualifying the Reference Identification

Code	Name
PE	Plant Number
PO	Purchase Order Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

User Note 1:

Use Plant Number from following list:

Plant Name	Plant Number	Plant Code	Plant Address
Amery LG	08	AMLG	250 Griffin St. East, Amery, WI 54001-1400
Buckeye IG	45	BEIG	6415 South Apache Rd Buckeye, AZ 85326
Buford CG	10	BFCG	600 Heraeus Blvd., Buford, GA 30518-8568
Casa Grande CG	24	CGCG	1109 N. Jefferson, Casa Grande, AZ 85222
Chehalis TG	30	CHTG	214 Downie Rd., Chehalis, WA 98532
Durant FG	23	DUFG	515 Cardinal Parkway, Durant, TX 74701
Fremont IG	14	FMIG	301 East McSwain Dr.,Fremont, IN 46737
Fargo IG	16	FRIG	4611 15th Ave West, Fargo, ND 58102
Greenfield IG	02	GFIG	716 Northeast 6th St., Greenfield, IA 50849
Galt CG	20	GTCG	680 Industrial Dr., Galt, CA 95632

Hudson	92	HDDC	2200 Rock Rd.,

Ref	Id	Element Name	Req	Type	Min/Max	Usage
						Hudson, WI 54016
		Hood River IG	22		HRIG	3125 Neal Creek Mill Rd., Hood River, OR 97031
		Menomonie FG	09		MNFG	2200 Stokke Parkway, Menomonie, WI 54751
		Mooresville FG	18		MRFG	342 Mooresville Blvd., Mooresville, NC 28115
		Moreno Valley CG	15		MVCG	24100 Cardinal Ave., Moreno Valley, CA 92551-7390
		Northfield CG	04		NFCG	1500 Industrial Dr., Northfield, MN 55057
		Ocala IG	17		OCIG	1300 SW 44th Avenue, Ocala, FL 34474
		Ocala LG	29		OCLG	1300 SW 44th Ave., Ocala, FL 34474
		Portage FG	12		PTFG	1650 Mohr Rd., Portage, WI 53901
		Roanoke IG	25		ROIG	2132 Cardinal Park Dr., Vinton, VA 24179
		Spring Green CG	05		SGCG	1024 E. Madison, Spring Green, WI 53588
		Spring Green IG	03		SGIG	1011 E. Madison St., Spring Green, WI 53588
		Tomah IG	06		TOIG	1620 Townline Rd., Tomah, WI 54660
		Tomah TG	07		TOTG	1601 Rusch St., Tomah, WI 54660
		Tumwater CG	11		TWCG	700 Pat Kennedy Way SW, Tumwater, WA 98501
		Wilkes Barre IG	28		WBIG	50 Elmwood Rd., MountainTop, PA 18707
		Winlock FG	27		WLFG	545 Avery Rd., Winlock, WA 98596
		Waxahachie CG	21		WXCG	203 Cardinal Rd., Waxahachie, TX

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
						75165
		Waxahachie IG	*19*	*WXIG*		*201 Cardinal Rd., Waxahachie, TX 75165*

If N901 is "PO" then specify the Cardinal **Purchase Order Number** *in the N902.*

N903	369	**Free-form Description**	X	AN	1/45	Used

Description: Free-form descriptive text

User Note 1:

Use Plant Code from following list:

==Plant Name==	==Plant Number==	==Plant Code==	==Plant Address==
Amery LG	*08*	*AMLG*	*250 Griffin St. East, Amery, WI 54001-1400*
Buckeye IG	*45*	*BEIG*	*6415 South Apache Rd Buckeye, AZ 85326*
Buford CG	*10*	*BFCG*	*600 Heraeus Blvd., Buford, GA 30518-8568*
Casa Grande CG	*24*	*CGCG*	*1109 N. Jefferson, Casa Grande, AZ 85222*
Chehalis TG	*30*	*CHTG*	*214 Downie Rd., Chehalis, WA 98532*
Durant FG	*23*	*DUFG*	*515 Cardinal Parkway, Durant, TX 74701*
Fremont IG	*14*	*FMIG*	*301 East McSwain Dr Fremont, IN 46737*
Fargo IG	*16*	*FRIG*	*4611 15th Ave West, Fargo, ND 58102*
Greenfield IG	*02*	*GFIG*	*716 Northeast 6th St., Greenfield, IA 50849*
Galt CG	*20*	*GTCG*	*680 Industrial Dr., Galt, CA 95632*
Hudson	*92*	*HDDC*	*2200 Rock Rd., Hudson, WI 54016*
Hood River IG	*22*	*HRIG*	*3125 Neal Creek Mill Rd., Hood River, OR 97031*
Menomonie FG	*09*	*MNFG*	*2200 Stokke Parkway, Menomonie, WI 54751*

| Mooresville FG | 18 | MRFG | 342 Mooresville |

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**
						Blvd., Mooresville, NC 28115
		Moreno Valley CG	*15*		*MVCG*	*24100 Cardinal Ave., Moreno Valley, CA 92551-7390*
		Northfield CG	*04*		*NFCG*	*1500 Industrial Dr., Northfield, MN 55057*
		Ocala IG	*17*		*OCIG*	*1300 SW 44th Avenue, Ocala, FL 34474*
		Ocala LG	*29*		*OCLG*	*1300 SW 44th Ave., Ocala, FL 34474*
		Portage FG	*12*		*PTFG*	*1650 Mohr Rd., Portage, WI 53901*
		Roanoke IG	*25*		*ROIG*	*2132 Cardinal Park Dr., Vinton, VA 24179*
		Spring Green CG	*05*		*SGCG*	*1024 E. Madison, Spring Green, WI 53588*
		Spring Green IG	*03*		*SGIG*	*1011 E. Madison St., Spring Green, WI 53588*
		Tomah IG	*06*		*TOIG*	*1620 Townline Rd., Tomah, WI 54660*
		Tomah TG	*07*		*TOTG*	*1601 Rusch St., Tomah, WI 54660*
		Tumwater CG	*11*		*TWCG*	*700 Pat Kennedy Way SW, Tumwater, WA 98501*
		Wilkes Barre IG	*28*		*WBIG*	*50 Elmwood Rd., MountainTop, PA 18707*
		Winlock FG	*27*		*WLFG*	*545 Avery Rd., Winlock, WA 98596*
		Waxahachie CG	*21*		*WXCG*	*203 Cardinal Rd., Waxahachie, TX 75165*
		Waxahachie IG	*19*		*WXIG*	*201 Cardinal Rd., Waxahachie, TX 75165*

*If N901 is **"PO"** then specify **"Cardinal Purchase Order Number"** in the N903.*

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.

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				

Loop Name

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
110	N1	Name	O	1		Used
120	N2	Additional Name Information	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

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	Name
BT	Bill-to-Party
CN	Consignee
SH	Shipper

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

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.

N2 Additional Name Information

<table>
<tr><td>Pos: 120</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: 0100</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify additional names or those longer than 35 characters in length.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 Geographic Location

Pos: 140	**Max: 1**
Heading - Optional	
Loop: 0100	**Elements: 4**

User Option (Usage): Used

Purpose: To specify the geographic location of the named party.

Element Summary:

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

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 Stop Off Details

<div style="border: 2px solid black;">

Pos: 010   **Repeat: 999**

Optional

Loop: 0300   Elements: N/A

</div>

User Option (Usage): Used

Purpose: To specify stop-off detail reference numbers and stop reason

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	S5	Stop Off Details	O	1		Used
050		Loop 0310	O		2	Used

S5   Stop Off Details

Pos: 010   Max: 1
Detail - Optional
Loop: 0300   Elements: 2

User Option (Usage): Used

Purpose: To specify stop-off detail reference numbers and stop reason

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S501	165	**Stop Sequence Number**	M	N0	1/3	Must use

Description: Identifying number for the specific stop and the sequence in which the stop is to be performed

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S502	163	**Stop Reason Code**	M	ID	2/2	Must use

Description: Code specifying the reason for the stop

User Note 1: *Specify the following code which is to match the N101*

PU - Pickup
ST - StopOff

Syntax Rules:

1. P0304 - If either S503 or S504 is present, then the other is required.
2. P0506 - If either S505 or S506 is present, then the other is required.
3. P0708 - If either S507 or S508 is present, then the other is required.

Semantics:

1. S509 is the stop reason description.

Loop Name

Pos: 050	**Repeat: 2**
Optional	
Loop: 0310	**Elements: N/A**

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
050	N1	Name	O	1		Used
080	N4	Geographic Location	O	1		Used

N1   Name

Pos: 050	**Max: 1**
Detail - Optional	
Loop: 0310	**Elements: 2**

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	Name
PU	Pick-up Location
ST	Stop-Off Location

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

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.

N4 Geographic Location

Pos: 080	**Max: 1**
Detail - Optional	
Loop: 0310	**Elements: 3**

User Option (Usage): Used

Purpose: To specify the geographic location of the named party.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)				

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 Assigned Number

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

User Option (Usage): Used

Purpose: To reference a line number in a transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
120	LX	Assigned Number	O	1		Used
130	N9	Reference Identification	O	5		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
210	K1	Remarks	O	10		Used

LX   Assigned Number

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

User Option (Usage): Used

Purpose: To reference a line number in a transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LX01	554	**Assigned Number**	M	N0	1/6	Must use

> **Description:** Number assigned for differentiation within a transaction set

N9 Reference Identification

Pos: 130	Max: 5
Detail - Optional	
Loop: 0400	Elements: 7

User Option (Usage): Used

Purpose: 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**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
LO	Load Planning Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

User Note 1: *If the Cardinal Load Number is available at the detail level then specify the Cardinal Load Number in the N902.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N903	369	**Free-form Description**	X	AN	1/45	Used

Description: Free-form descriptive text

User Note 1: *If the Cardinal Load Number is available at the detail level then specify "Cardinal Load Number" in the N903.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N904	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N905	337	**Time**	X	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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N906	623	**Time Code**	O	ID	2/2	Used

Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N907	C040	**Reference Identifier**	O	Comp		Used

Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N907-01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N907-02	127	**Reference Identification**	M	AN	1/30	Must use

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-03	128	**Reference Identification Qualifier**	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification **All valid standard codes are used.**				
N907-04	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				
N907-05	128	**Reference Identification Qualifier**	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification **All valid standard codes are used.**				
N907-06	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				

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.

L5   Description, Marks and Numbers

Pos: 140   **Max: 30**

Detail - Optional

Loop: 0400   Elements: 2

User Option (Usage): Used

Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L501	213	**Lading Line Item Number**	O	N0	1/3	Used

Description: Sequential line number for a lading item

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L502	79	**Lading Description**	O	AN	1/50	Used

Description: Description of an item as required for rating and billing purposes

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: 8**

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L002	220	**Billed/Rated-as Quantity**	X	R	1/11	Used

Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L003	221	**Billed/Rated-as Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of quantity or value on which the rate or item pricing is based

Code	Name
LB	Pound

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L004	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L005	187	**Weight Qualifier**	X	ID	1/2	Used

Description: Code defining the type of weight

Code	Name
G	Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L008	80	**Lading Quantity**	X	N0	1/7	Used

Description: Number of units (pieces) of the lading commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L011	188	**Weight Unit Code**	O	ID	1/1	Used

Description: Code specifying the weight unit

Code	Name
L	Pounds

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: 5**

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L101	213	**Lading Line Item Number**	O	N0	1/3	Used

Description: Sequential line number for a lading item

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L102	60	**Freight Rate**	X	R	1/9	Used

Description: Rate that applies to the specific commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L103	122	**Rate/Value Qualifier**	X	ID	2/2	Used

Description: Code qualifying how to extend charges or interpret value
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L108	150	**Special Charge or Allowance Code**	O	ID	3/3	Used

Description: Code identifying type of special charge or allowance

User Note 1: *Codes also accepted are as follows:*

DHC Deadhead Charge
NYC NY Island Charge
OOR   Out or Route Miles

Code Name
DEL   Delivery Charge
DET   Detention of Trailers
DSC Discount
FUE   Fuel Charge
LAY   Layover Charges
LOA   Loading (Labor Charges)
MIN   Minimum Guarantee
MSC Other Accessorial Service Charge
PEC   Pallet Exchange Charge
PYS Priority Service Charge
RCC Reconsignment Charge
RCL Redelivery
SCL   Scale Charge
SOC Stop-off Charge
STR   Storage in Transit
UNL   Unloading (Labor Charges)
VOR Vehicle Ordered but Not 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 percentage 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: 5

User Option (Usage): Used

Purpose: To reference details of the tariff used to arrive at applicable rates or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L701	213	**Lading Line Item Number**	O	N0	1/3	Used

Description: Sequential line number for a lading item

L702	168	**Tariff Agency Code**	O	ID	1/4	Used

Description: Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment

L703	171	**Tariff Number**	O	AN	1/7	Used

Description: Standard tariff number for the tariff which governs the rates applied to the commodity item(s)

L704	172	**Tariff Section**	O	AN	1/2	Used

Description: Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff

L707	59	**Freight Class Code**	O	AN	2/5	Used

Description: Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.

Semantics:

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

K1 Remarks

Pos: 210   Max: 10
Detail - Optional
Loop: 0400   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				

L3 Total Weight and Charges

Pos: 010   **Max: 1**
Summary - Optional
Loop: N/A   **Elements: 7**

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L301	81	**Weight**	X	R	1/10	Used

    Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L302	187	**Weight Qualifier**	X	ID	1/2	Used

    Description: Code defining the type of weight

    Code Name
    G   Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L303	60	**Freight Rate**	X	R	1/9	Used

    Description: Rate that applies to the specific commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L304	122	**Rate/Value Qualifier**	X	ID	2/2	Used

    Description: Code qualifying how to extend charges or interpret value
    All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L305	58	**Charge**	O	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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L311	80	**Lading Quantity**	O	N0	1/7	Used

    Description: Number of units (pieces) of the lading commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L312	188	**Weight Unit Code**	O	ID	1/1	Used

    Description: Code specifying the weight unit

    Code Name
    L   Pounds

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Comments:

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

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

Purpose: 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	**Number of Transaction Sets Included**	M	N0	1/6	Must use

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE02	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

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
Not Defined - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use

Purpose: 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	**Number of Included Functional Groups**	M	N0	1/5	Must use

    Description: A count of the number of functional groups included in an interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use

    Description: A control number assigned by the interchange sender