

210 Motor Carrier Freight Details and Invoice

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

Version: 1.4 Final

Company:	Cardinal Glass Industries
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Notes:	3/12/2014 - Added the S5 and N1 segments for stop-offs and pickups. 3/10/2014 - Added B303 requirements. 3/7/2014 - Added accepted L108 codes. 5/29/2015 - Made N9 segment mandatory.

**Revised B303
requirements.**

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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 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.

Not Defined:

<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			Must use
	GS	Functional Group Header	M	1			Must use

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
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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - 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:

<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	O	1			Used
020	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

<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>
	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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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.				
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)				
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.				
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)				
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.				
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				
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				
		<u>Code</u> <u>Name</u> 01 Duns (Dun & Bradstreet)				
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.)				
ISA09	I08	Interchange Date	M	DT	6/6	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>
		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.				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of 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				
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)				
		<u>Code</u> <u>Name</u> 0 No Acknowledgment Requested				
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				
		<u>Code</u> <u>Name</u> P Production Data T Test Data				
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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
		Description: Code identifying a group of application related transaction sets				
		<u>Code</u> <u>Name</u>				
		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				
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				
		<u>Code</u> <u>Name</u>				
		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				

<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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
Description: Code uniquely identifying a Transaction Set						
Code Name						
210 Motor Carrier Freight Details and Invoice						
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:

<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)						
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						
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)						
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						
Code Name						
035 Delivered						
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

Pos: 060	Max: 300
Heading - Mandatory	
Loop: N/A	Elements: 3

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

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

User Note 1:

Use Plant Number from following list:

<u>Plant Name</u>	<u>Plant Number</u>	<u>Plant Code</u>	<u>Plant Address</u>
Amery LG	08	AMLG	250 Griffin St. East, Amery, WI 54001-1400
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.,

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Waxahachie IG	19	WXIG	75165	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:				
		<u>Plant Name</u>	<u>Plant Number</u>	<u>Plant Code</u>	<u>Plant Address</u>	
		Amery LG	08	AMLG	250 Griffin St. East, Amery, WI 54001-1400	
		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	

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

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

Pos: 110	Repeat: 10
Optional	
Loop: 0100 Elements: N/A	

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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:

<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														
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BT</td><td>Bill-to-Party</td></tr><tr><td>CN</td><td>Consignee</td></tr><tr><td>SH</td><td>Shipper</td></tr></table>							<u>Code</u>	<u>Name</u>	BT	Bill-to-Party	CN	Consignee	SH	Shipper
<u>Code</u>	<u>Name</u>													
BT	Bill-to-Party													
CN	Consignee													
SH	Shipper													
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

Pos: 120	Max: 1
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Used

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

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>
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:

<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 Geographic Location

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

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				

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

Pos: 010	Repeat: 999
Optional	
Loop: 0300	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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:

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

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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:

<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						
<u>Code</u> <u>Name</u>						
PU Pick-up Location						
ST Stop-Off Location						
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 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)				

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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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:

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

Description: Number assigned for differentiation within a transaction set

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						
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 the specify the Cardinal Load Number in the N902.						
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 the specify "Cardinal Load Number" in the N903.						
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 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)						
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.						
N907	C040	Reference Identifier	O	Comp		Used
Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier						
N907-01	128	Reference Identification Qualifier	M	ID	2/3	Must use
Description: Code qualifying the Reference Identification						
All valid standard codes are used.						
N907-02	127	Reference Identification	M	AN	1/30	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>
		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:

<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	N0	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						

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L001	213	Lading Line Item Number	O	N0	1/3	Used
		Description: Sequential line number for a lading item				
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				
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				
		<u>Code</u> <u>Name</u>				
		LB Pound				
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				
		<u>Code</u> <u>Name</u>				
		G Gross 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.				
L011	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit				
		<u>Code</u> <u>Name</u>				
		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:

<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				
L102	60	Freight Rate	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
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.				
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
		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

<u>Code</u>	<u>Name</u>
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 percent used to determine the charge in L104.
2. L120, if used, indicates the currency for all monetary amounts in this L1 segment.
3. L121 is the origin rated as charge amount.

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:

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

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L301	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
L302	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight				
		<u>Code</u> <u>Name</u>				
		G Gross Weight				
L303	60	Freight Rate	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
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.				
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				
L311	80	Lading Quantity	O	N0	1/7	Used
		Description: Number of units (pieces) of the lading commodity				
L312	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit				
		<u>Code</u> <u>Name</u>				
		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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

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:

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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						
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
Description: A control number assigned by the interchange sender						