

210 Motor Carrier Freight Details and Invoice

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

Version: 2.0

Author:	Carrier Connectivity EDI
Modified:	9/6/2022
Notes:	Added notes for dray carriers

Table of Contents

210	Motor Carrier Freight Details and Invoice	1
ISA	Interchange Control Header	5
GS	Functional Group Header	8
ST	Transaction Set Header	10
B3	Beginning Segment for Carrier's Invoice	11
C3	Currency	14
N9	Reference Identification	15
G62	Date/Time	16
0100	Loop Name	17
N1	Name	18
N3	Address Information	19
N4	Geographic Location	20
0100	Loop Name	21
N1	Name	22
N3	Address Information	23
N4	Geographic Location	24
0100	Loop Name	25
N1	Name	26
N3	Address Information	27
N4	Geographic Location	28
0100	Loop Name	29
N1	Name	30
N3	Address Information	31
N4	Geographic Location	32
0400	Loop Assigned Number	33
LX	Assigned Number	34
L5	Description, Marks and Numbers	35
L0	Line Item - Quantity and Weight	36
L1	Rate and Charges	38
L7	Tariff Reference	40
L3	Total Weight and Charges	41
SE	Transaction Set Trailer	42
GE	Functional Group Trailer	43
IEA	Interchange Control Trailer	44

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			Used
020	B3	Beginning Segment for Carrier's Invoice	M	1			Used
040	C3	Currency	O	1			Used
060	N9	Reference Identification	O	300			Used
070	G62	Date/Time	M	6			Used
LOOP ID - 0100					1		
110	N1	Name	M	1			Must use
130	N3	Address Information	M	2			Must use
140	N4	Geographic Location	M	1			Must use
LOOP ID - 0100					1		
110	N1	Name	M	1			Must use
130	N3	Address Information	M	2			Must use
140	N4	Geographic Location	M	1			Must use
LOOP ID - 0100					1		
110	N1	Name	M	1			Must use
130	N3	Address Information	M	2			Must use
140	N4	Geographic Location	M	1			Must use
LOOP ID - 0100					1		
110	N1	Name	M	1			Used
130	N3	Address Information	O	2			Used
140	N4	Geographic Location	M	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 - 0400					9999		
120	LX	Assigned Number	M	1			Must use
140	L5	Description, Marks and Numbers	M	1			Must use
170	L0	Line Item - Quantity and Weight	O	1			Used

<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>
180	L1	Rate and Charges	M	1			Must use
200	L7	Tariff Reference	O	1			Dependent

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	L3	Total Weight and Charges	M	1			Used
020	SE	Transaction Set Trailer	M	1			Used

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

User Note 1:

***C.H. Robinson will Accept New & Corrected Invoices ONLY.
No Balance Due invoices.***

Sample TL/IMDL-Dray Invoice:

ST*210*8080003

B3**0998574*441766868*PP**20090324*119500**20090323*035*SCAC

N9*PO*884545

N9*CR*532432238

G62*86*20090322

N1*SH*INTEPLAST

N3*101 INTERPLAST BLVD

N4*Lolita*TX*77971*US

N1*CN*FOOD LION

N3*2110 EXECUTIVE DR*PO BOX 1330

N4*Salisbury*NC*28145*US

LX*1

L5*1*PLASTICS / FREIGHT CHARGE

L0*1*1191*FR*42321*L ***1728*PCS

L1*1*89753*FR*89753

LX*2

L5*2*UNLOADING UNLD

L1*2*9500*FR*9500****UNL ****UNLOADING UNLD

LX*3

L5*3*FUEL SURCHARGE FUEL

L1*3*2.02*FR*20247****FUE****FUEL SURCHARGE FUEL

L3*42321*G***119500

SE*22*8080003

****PLEASE NOTE****

- 1. **B3_02 = Carrier Invoice Number**
- 2. **B3_03 = C.H. Robinson Load Number**
- 3. **Order of N1 Loops: SH before CN**
- 4. **Each LX loop is a separate charge.**
- 5. **First LX loop MUST always be the freight charge.**
- 6. **Total in L3_05 must match total in B3_07**

Sample LTL invoice:

ST*210*000969045
 B3**1077220016**PP**20090325*41719**20090324*035*SCAC
 C2*R*ZZ*PREFERREDSYS
 C3*USD*1.000*USD*USD
 N9*PO*18542373
 G62*86*20090320
 N1*SH*MARTEX NUTRITION INC
 N3*7230 NW 33RD ST
 N4*MIAMI*FL*33122
 N1*CN*MARTEX
 N3*82 EASTERN STEEL RD
 N4*MILFORD*CT*06460
 N1*BT*CHRLTL
 N3*14800 CHARLSON RD STE 2100
 N4*EDEN PRAIRIE*MN*55347
 N1*PR*CHRLTL
 N3*14800 CHARLSON RD STE 2100
 N4*EDEN PRAIRIE*MN*55347*USA
 LX*1
 L5*1*NUTRITION SUPPLEMENT*07318500*N
 L0*1***2990*N***3*SKD**L**108*CTN*W
 L1*1*31.89*PH*95351
 L7*1*****60.0
 LX*2
 L5*2*PERCENT DISCOUNT
 L1*2*59.6*AV*-56829****DSC****DISC
 LX*3
 L5*3*GENERAL SURCHARGE (FUEL FRT)
 L1*3*8.3*AV*3197****ENS****FSC
 L3*2990*G***41719*****3

SE*31*000969045

******PLEASE NOTE******

1. **B3_02 = Carrier Invoice Number**
2. **Order of N1 Loops: SH, CN, BT, PR (PR is optional)**
3. **Each LX loop is a separate charge**
4. **First LX loop MUST always be the freight charge.**
5. **Freight Class code - L7 segment required with freight charge**
6. **Total in L3_05 must match total in B3_07**

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. (Total Codes: 7)

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. (Total Codes: 2)

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. (Total Codes: 38)

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

Code List Summary (Total Codes: 38, Included: 1)

<u>Code</u>	<u>Name</u>
02	SCAC (Standard Carrier Alpha Code)

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
<p>TL & LTL:</p> <p>Test ID = RBTWTEST Production ID = RBTW</p> <p>Intermodal Dray: Test ID = RBINTEST Production ID = RBIN</p>										
ISA09	I08	Interchange Date	M	DT	6/6	Must use				
<p>Description: Date of the interchange</p>										
ISA10	I09	Interchange Time	M	TM	4/4	Must use				
<p>Description: Time of the interchange</p>										
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use				
<p>Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer</p> <p>All valid standard codes are used. (Total Codes: 1)</p>										
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use				
<p>Description: Code specifying the version number of the interchange control segments</p> <p>User Note 1: 00401</p> <p>Code List Summary (Total Codes: 14, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00401</td> <td>Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997
<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				
<p>Description: A control number assigned by the interchange sender</p>										
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use				
<p>Description: Code sent by the sender to request an interchange acknowledgment (TA1)</p> <p>All valid standard codes are used. (Total Codes: 2)</p>										
ISA15	I14	Usage Indicator	M	ID	1/1	Must use				
<p>Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information</p> <p>All valid standard codes are used. (Total Codes: 3)</p>										
ISA16	I15	Component Element Separator	M		1/1	Must use				
<p>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</p>										

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

Code List Summary (Total Codes: 240, Included: 1)

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

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:

TL & LTL:

Test ID = RBTWTEST

Production ID = RBTW

Intermodal Dray:

Test ID = RBINTEST

Production ID = RBIN

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
------	-----	--------------------------------	---	----	-----	----------

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480				
		All valid standard codes are used. (Total Codes: 2)				
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 List Summary (Total Codes: 39, Included: 1)				
		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): Used

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	Used

Description: Code uniquely identifying a Transaction Set

Code List Summary (Total Codes: 298, Included: 1)

Code Name

210 Motor Carrier Freight Details and Invoice

ST02	329	Transaction Set Control Number	M	AN	4/9	Used
------	-----	--------------------------------	---	----	-----	------

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: 14

User Option (Usage): Used

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>
B301	147	Shipment Qualifier	O	ID	1/1	Used

Description: Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time

All valid standard codes are used. (Total Codes: 35)

B302	76	Invoice Number	M	AN	1/22	Must use
------	----	----------------	---	----	------	----------

Description: Identifying number assigned by issuer

User Note 1:

LTl - Carriers Pro Number

TL - Invoice Number

Dray - Invoice Number

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)

User Note 1:

C.H. Robinson Load Number

TL - MANDATORY

DRAY - MANDATORY

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: 3)

Code Name

CC Collect
 PP Prepaid (by Seller)
 TP Third Party Pay

B305	188	Weight Unit Code	O	ID	1/1	Used
------	-----	------------------	---	----	-----	------

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code specifying the weight unit All valid standard codes are used. (Total Codes: 8)				
B306	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD User Note 1: <i>Invoice Date</i>				
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 User Note 1: <i>Total Charge - Must match amount in L3_05</i>				
B308	202	Correction Indicator	O	ID	2/2	Used
		Description: Code used to indicate that the transaction set contains information which corrects previous information All valid standard codes are used. (Total Codes: 36)				
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 Code List Summary (Total Codes: 1112, Included: 1) Code Name 035 Delivered				
B311	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
B312	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
B313	375	Tariff Service Code	O	ID	2/2	Used
		Description: Code specifying the types of services for rating purposes All valid standard codes are used. (Total Codes: 79)				
B314	335	Transportation Terms Code	O	ID	3/3	Used
		Description: Code identifying the trade terms which apply to the shipment transportation responsibility All valid standard codes are used. (Total Codes: 25)				

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.

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	Used

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

Semantics:

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

Comments:

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

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	Used
		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				

Syntax Rules:

1. C0605 - If N906 is present, then N905 is required.
2. R0203 - At least one of N902 or N903 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

User Note 1:

Optional. Used for additional reference numbers such as PO, BM, CN, CR etc. Dray Carriers - Use N9*CR for your PRO/Reference Number.

G62 Date/Time

Pos: 070	Max: 6
Heading - Mandatory	
Loop: N/A	Elements: 2

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	Date Qualifier	M	ID	2/2	Must use

Description: Code specifying type of date

Code List Summary (Total Codes: 137, Included: 1)

Code Name

86 Actual Pickup Date

G6202	373	Date	M	DT	8/8	Must use
-------	-----	------	---	----	-----	----------

Description: Date expressed as CCYYMMDD

Syntax Rules:

1. P0102 - If either G6201 or G6202 is present, then the other is required.
2. P0304 - If either G6203 or G6204 is present, then the other is required.
3. R0103 - At least one of G6201 or G6203 is required.

Loop Name

Pos: 110 Repeat: 1
 Mandatory
 Loop: 0100 Elements: N/A

User Option (Usage): Must use

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	M	1		Must use
130	N3	Address Information	M	2		Must use
140	N4	Geographic Location	M	1		Must use

User Note 1:

'SH' (Shipper) N1 Loop is MANDATORY on all invoices

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
<p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p>Code List Summary (Total Codes: 1312, Included: 1)</p> <p><u>Code Name</u></p> <p>SH Shipper</p>						
N102	93	Name	M	AN	1/60	Must use
<p>Description: Free-form name</p>						
N103	66	Identification Code Qualifier	X	ID	1/2	Used
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>Code List Summary (Total Codes: 215, Included: 2)</p> <p><u>Code Name</u></p> <p>92 Assigned by Buyer or Buyer's Agent</p> <p>93 Code assigned by the organization originating the transaction set</p>						
N104	67	Identification Code	X	AN	2/80	Used
<p>Description: Code identifying a party or other code</p>						

Syntax Rules:

1. P0304 - If either N103 or N104 is present, then the other is required.
2. R0203 - At least one of N102 or N103 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.

N3 Address Information

Pos: 130	Max: 2
Heading - Mandatory	
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 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	City Name	M	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	M	ID	3/15	Must use
		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 Name

Pos: 110 Repeat: 1
 Mandatory
 Loop: 0100 Elements: N/A

User Option (Usage): Must use

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	M	1		Must use
130	N3	Address Information	M	2		Must use
140	N4	Geographic Location	M	1		Must use

User Note 1:

'CN' (Consignee) N1 Loop is MANDATORY on all invoices

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: 1)

Code Name

CN Consignee

N102	93	Name	M	AN	1/60	Must use
------	----	-------------	---	----	------	----------

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)

Code List Summary (Total Codes: 215, Included: 2)

Code Name

92 Assigned by Buyer or Buyer's Agent

93 Code assigned by the organization originating the transaction set

N104	67	Identification Code	X	AN	2/80	Used
------	----	----------------------------	---	----	------	------

Description: Code identifying a party or other code

Syntax Rules:

1. P0304 - If either N103 or N104 is present, then the other is required.
2. R0203 - At least one of N102 or N103 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.

N3 Address Information

Pos: 130	Max: 2
Heading - Mandatory	
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 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	City Name	M	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	M	ID	3/15	Must use
		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 Name

Pos: 110	Repeat: 1
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	M	1		Must use
130	N3	Address Information	M	2		Must use
140	N4	Geographic Location	M	1		Must use

User Note 1:

LTL - 'BT' (Bill To) N1 Loop is MANDATORY

TL & IMDL Dray - 'BT' (BillTo) N1 Loop is OPTIONAL

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: 1)

Code Name

BT Bill-to-Party

N102	93	Name	M	AN	1/60	Must use
------	----	-------------	---	----	------	----------

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)

Code List Summary (Total Codes: 215, Included: 2)

Code Name

92 Assigned by Buyer or Buyer's Agent

93 Code assigned by the organization originating the transaction set

N104	67	Identification Code	X	AN	2/80	Used
------	----	----------------------------	---	----	------	------

Description: Code identifying a party or other code

Syntax Rules:

1. P0304 - If either N103 or N104 is present, then the other is required.
2. R0203 - At least one of N102 or N103 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.

N3 Address Information

Pos: 130	Max: 2
Heading - Mandatory	
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 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	City Name	M	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	M	ID	3/15	Must use
		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 Name

Pos: 110	Repeat: 1
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	M	1		Used
130	N3	Address Information	O	2		Used
140	N4	Geographic Location	M	1		Used

User Note 1:

'PR' (Payer) N1 Loop isOptional

N1 Name

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

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	Used

Description: Code identifying an organizational entity, a physical location, property or an individual

Code List Summary (Total Codes: 1312, Included: 1)

Code Name

PR Payer

N102	93	Name	M	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)

Code List Summary (Total Codes: 215, Included: 2)

Code Name

92 Assigned by Buyer or Buyer's Agent

93 Code assigned by the organization originating the transaction set

N104	67	Identification Code	X	AN	2/80	Used
------	----	----------------------------	---	----	------	------

Description: Code identifying a party or other code

Syntax Rules:

1. P0304 - If either N103 or N104 is present, then the other is required.
2. R0203 - At least one of N102 or N103 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.

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	Used
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 140	Max: 1
Heading - Mandatory	
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	M	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	M	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	M	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 Assigned Number

Pos: 120 Repeat: 9999
 Mandatory
 Loop: 0400 Elements: N/A

User Option (Usage): Must use

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	M	1		Must use
140	L5	Description, Marks and Numbers	M	1		Must use
170	L0	Line Item - Quantity and Weight	O	1		Used
180	L1	Rate and Charges	M	1		Must use
200	L7	Tariff Reference	O	1		Dependent

LX Assigned Number

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

User Option (Usage): Must use

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

User Note 1:

****** Important Note ******

First LX Loop is for the FreightCharge.

Remaining LX Loops are for AccessorialCharges.

L5 Description, Marks and Numbers

Pos: 140	Max: 1
Detail - Mandatory	
Loop: 0400	Elements: 4

User Option (Usage): Must use

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	M	N0	1/3	Used
		Description: Sequential line number for a lading item				
L502	79	Lading Description	M	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)				

Syntax Rules:

1. C0706 - If L507 is present, then L506 is required.
2. P0304 - If either L503 or L504 is present, then the other 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: 1
 Detail - Optional
 Loop: 0400 Elements: 7

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	M	N0	1/3	Used
Description: Sequential line number for a lading item						
L002	220	Billed/Rated-as Quantity	M	R	1/11	Must use
Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81						
User Note 1:						
<i>If L0_03 Qualifier is 'FR' (Flat Rate) then quantity in L0_02 = 1</i>						
L003	221	Billed/Rated-as Qualifier	M	ID	2/2	Must use
Description: Code identifying the type of quantity or value on which the rate or item pricing is based						
All valid standard codes are used. (Total Codes: 47)						
L004	81	Weight	M	R	1/10	Must use
Description: Numeric value of weight						
L005	187	Weight Qualifier	M	ID	1/2	Must use
Description: Code defining the type of weight						
Code List Summary (Total Codes: 51, Included: 1)						
Code Name						
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. (Total Codes: 134)						

Syntax Rules:

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

User Note 1:

L0 segment REQUIRED in freight charge LX loop (FIRSTLX LOOP).

L0 segment can be omitted from Accessorial Charge LXLoops.

L1 Rate and Charges

Pos: 180	Max: 1
Detail - Mandatory	
Loop: 0400	Elements: 6

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L101	213	Lading Line Item Number	M	N0	1/3	Must use

Description: Sequential line number for a lading item

L102	60	Freight Rate	M	R	1/9	Must use
------	----	--------------	---	---	-----	----------

Description: Rate that applies to the specific commodity

User Note 1:

If L1_03 Qualifier is 'FR" (Flat Rate) then FreightRate in L1_02 = 1

L103	122	Rate/Value Qualifier	M	ID	2/2	Must use
------	-----	----------------------	---	----	-----	----------

Description: Code qualifying how to extend charges or interpret value

All valid standard codes are used. (Total Codes: 163)

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	O	ID	3/3	Used
------	-----	----------------------------------	---	----	-----	------

Description: Code identifying type of special charge or allowance

User Note 1:

L1_08 REQUIRED for Accessorial Charges

All valid standard codes are used. (Total Codes: 1073)

L112	276	Special Charge Description	O	AN	2/25	Used
------	-----	----------------------------	---	----	------	------

Description: Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150

User Note 1:

L1_12 REQUIRED for Accessorial Charges

Syntax Rules:

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

User Note 1:

L1 Segment REQUIRED on ALL LX Loops

L1_08 REQUIRED for Accessorial Charges

L1_12 REQUIRED for Accessorial Charges

L7 Tariff Reference

Pos: 200	Max: 1
Detail - Optional	
Loop: 0400	Elements: 2

User Option (Usage): Dependent

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	M	N0	1/3	Used

Description: Sequential line number for a lading item

L707	59	Freight Class Code	M	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.

User Note 1:

TL - L7 Loop can be omitted

LTL:

- L7 segment **REQUIRED** with freight charge LXLoop. (First LX Loop)
- L7 segment can be omitted for Accessorial Charge LX Loops

L3 Total Weight and Charges

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 3

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	O	R	1/10	Used

Description: Numeric value of weight

User Note 1:

Total Weight

L302	187	Weight Qualifier	O	ID	1/2	Used
------	-----	------------------	---	----	-----	------

Description: Code defining the type of weight

Code List Summary (Total Codes: 51, Included: 1)

Code Name

G Gross Weight

L305	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

User Note 1:

Total Charge - Must match amount in B3_07

Syntax Rules:

1. C1201 - If L312 is present, then L301 is required.
2. P0102 - If either L301 or L302 is present, then the other is required.
3. P0304 - If either L303 or L304 is present, then the other is required.
4. P0910 - If either L309 or L310 is present, then the other 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): Used

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	Used

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	Used
------	-----	---------------------------------------	---	----	-----	------

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				