204 C.H. Robinson 204 Carrier Spec Upgrade

X12/V4010/204: 204 C.H. Robinson 204 Carrier Spec

Version: 1.41 Final

Author:	**Carrier Connectivity EDI**
Company:	**C.H. Robinson**
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Notes:	**Minor formatting corrections, no spec changes**

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204 C.H. Robinson 204 Carrier Spec

Functional Group=SM

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Motor Carrier Load Tender Transaction Set (204) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to allow shippers or other interested parties to offer (tender) a shipment to a full load (truckload) motor carrier including detailed scheduling, equipment requirements, commodities, and shipping instructions pertinent to a load tender. It is not to be used to provide a motor carrier with data relative to a Less-than-Truckload bill of lading, pick-up notification, or manifest.

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			Used
020	B2	Beginning Segment for Shipment Information Transaction	M	1			Must use
030	B2A	Set Purpose	M	1			Must use

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	L11	Business Instructions and Reference Number	O	50			Used

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
090	G62	Date/Time	O	1		N1/090	Used
120	PLD	Pallet Information	O	1			Used
130	NTE	Note/Special Instruction	O	10			Used
LOOP ID - 0100					**5**	**N1/140L**	
140	N1	Name	M	1		N1/140	Must use
160	N3	Address Information	O	2			Used
170	N4	Geographic Location	O	1			Used
LOOP ID - 0100					**5**	**N1/140L**	
140	N1	Name	M	1		N1/140	Must use
160	N3	Address Information	O	2			Used
170	N4	Geographic Location	O	1			Used
190	G61	Contact	O	3			Used
LOOP ID - 0100					**5**	**N1/140L**	
140	N1	Name	M	1		N1/140	Must use
190	G61	Contact	O	3			Used
LOOP ID - 0200					**10**		
200	N7	Equipment Details	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - 0300					**999**		
010	S5	Stop Off Details	M	1			Must use
020	L11	Business Instructions and Reference Number	O	50			Used
030	G62	Date/Time	O	2		N2/030	Used
060	AT5	Bill of Lading Handling Requirements	O	6			Used
065	NTE	Note/Special Instruction	O	20			Used
LOOP ID - 0310					**1**		
070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
120	G61	Contact	O	3			Used
LOOP ID - 0350					**999**	**N2/150L**	
150	OID	Order Identification Detail	O	1		N2/150	Used
180	LAD	Lading Detail	O	999			Used
LOOP ID - 0360					**99**	**N2/190L**	
190	L5	Description, Marks and Numbers	O	1		N2/190	Used
LOOP ID - 0365					**99**	**N2/200L**	
200	G61	Contact	O	1		N2/200	Used
LOOP ID - 0370					**25**		
203	LH1	Hazardous Identification Information	O	1			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			Used

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:

1/090   Segment G62 in header is used to convey the must-respond-by date and time when responding to a 204 transaction.

1/140L   Loop 0100 is used to convey name and address detail relative to bill-to, party controlling freight, or other shipment level name and address information. It is not used to convey ship from or ship to detail which should be handled within loop 0300 in table 2.

1/140   Loop 0100 is used to convey name and address detail relative to bill-to, party controlling freight, or other shipment level name and address information. It is not used to convey ship from or ship to detail which should be handled within loop 0300 in table 2.

1/140L   Loop 0100 is used to convey name and address detail relative to bill-to, party controlling freight, or other shipment level name and address information. It is not used to convey ship from or ship to detail which

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1/140L   Loop 0100 is used to convey name and address detail relative to bill-to, party controlling freight, or other shipment level name and address information. It is not used to convey ship from or ship to detail which should be handled within loop 0300 in table 2.

1/140   Loop 0100 is used to convey name and address detail relative to bill-to, party controlling freight, or other shipment level name and address information. It is not used to convey ship from or ship to detail which should be handled within loop 0300 in table 2.

2/030   Use G62 segment either in loop 0300 or loop 0350, but not both.

2/150L   Use loop 0350 for conveying seller's order/invoice level detail or buyer's purchase order level detail. If not using order level detail, this loop should not be used.

2/150   Use loop 0350 for conveying seller's order/invoice level detail or buyer's purchase order level detail. If not using order level detail, this loop should not be used.

2/190L   If sending order level detail within the 0350 loop, then use L5 and AT8 segments in loop 0360 to relay commodity detail. Otherwise, use L5 and AT8 segments within the 0320 loop to relay commodity detail. Use either loop 0320 or loop 0360, but not both.

2/190   If sending order level detail within the 0350 loop, then use L5 and AT8 segments in loop 0360 to relay commodity detail. Otherwise, use L5 and AT8 segments within the 0320 loop to relay commodity detail. Use either loop 0320 or loop 0360, but not both.

2/200L   The G61 segment contains the person or company to be contacted by the carrier in case of emergency.

2/200   The G61 segment contains the person or company to be contacted by the carrier in case of emergency.

User Note 1:

This is the C.H. Robinson 204 Load Tender spece is for load tenders outbound from C.H. Robinson to Truckload and LTLcarriers.

Load tenders from C.H. Robinson consist of 2 business lines, Brokerage & Transportation Management Center (TMC) loads.

The structure of the 204 is identical to leverage the ability to send both types to carriers when applicable.

Envelope ID's

· Testing:

ISA Qualifier = 02
ISA ID = RBTWTEST
GS ID = RBTWTEST

· Production:

ISA Qualifier = 02
ISA ID = RBTW

GS ID = RBTW

SAMPLE 204'S:

Brokerage / Hazmat Load:

ISA*00*   *00*   *02*RBTW   *02*XXXX
*080324*1645*U*00201*000001084*0*T*}
GS*SM*RBTW*XXXX*20080324*1645*1084*X*004010
ST*204*10840001
B2**XXXX**49589409**PP
B2A*00
L11*T1630868*VD
L11*268668*SI
L11*268668*CR
L11*USD*RB
L11*CH ROBINSON*TH
G62*64*20080222*1*1710
NTE*ZZZ*586
NTE*OTH*HAZMAT LOAD!!
N1*VI*CH ROBINSON CONTACT
G61*CN*DANNY DAOUD*TE*8002335623*0809
G61*IC*DANNY [DAOUD*EM*DAOUDAN@CHROBINSON.COM](mailto:DAOUDAN@CHROBINSON.COM)
G61*ZZ*CH ROBINSON
N7**ZZZZ*6400*G*******TV****4800*****0*102
S5*1*LD
L11*268668*PU
L11*BOL123456*BM
G62*10*20080225
G62*38*20080225
AT5*HZD
NTE*OTH*No Touch
NTE*SPH*NOTICE CALLS ARE NEEDED BEFORE DISPATCHING DRIVERDriver must call CHR if any tot
NTE*SPH*es have more than about 1 inch of residue in them. All totes must double stack
NTE*SPH*- it is the drivers responsibility to make sure that the shipper double stacks.
N1*SF*BJ Chemical Services*ZZ*W3512492
N3*2708 W. Country Rd.

N4*Hobbs*NM*88247*USA

G61*CN*John Bryant*TE*5053925556

OID**t268668**TE*8*L*1280

L5*1*Empty Plastic Totes double stacked

OID**t268668**TE*8*L*1280

L5*2*Empty Plastic Totes double stacked

G61*HM*HZMT EMERGENCY CONTACT*TE*8004249300

LH1*TE*8*UN3082**Environmentally hazardous subs

OID**t268668**TE*8*L*1280

L5*3*Empty Plastic Totes double stacked

G61*HM*HZMT EMERGENCY CONTACT*TE*8004249300

LH1*TE*8*UN1993**Flammable liquids, n.o.s.

OID**t268668**CA*8*L*1280

L5*4*Empty Plastic Totes double stacked

G61*HM*HZMT EMERGENCY CONTACT*TE*8004249300

LH1*CA*8*UN1993**Flammable liquids, n.o.s.

OID**t268668**BN*8*L*1280

L5*5*Empty Plastic Totes double stacked

G61*HM*HZMT EMERGENCY CONTACT*TE*8004249300

LH1*BN*8*UN2810**Toxic, liquids, organic, n.o.s

S5*2*UL

G62*68*20080226

G62*54*20080226

AT5*HZD

NTE*OTH*No Touch

N1*ST*National Container - Houston*ZZ*W630610

N3*13131B Almeda Rd.

N4*Houston*TX*77045*USA

G61*CN*Wally, Bridgette*TE*7134332100

OID**t268668**TE*8*L*1280

L5*6*Empty Plastic Totes double stacked

OID**t268668**TE*8*L*1280

L5*7*Empty Plastic Totes double stacked

G61*HM*HZMT EMERGENCY CONTACT*TE*8004249300

LH1*TE*8*UN3082**Environmentally hazardous subs

OID**t268668**TE*8*L*1280

L5*8*Empty Plastic Totes double stacked

G61*HM*HZMT EMERGENCY CONTACT*TE*8004249300

LH1*TE*8*UN1993**Flammable liquids, n.o.s.

OID**t268668**CA*8*L*1280

L5*9*Empty Plastic Totes double stacked

G61*HM*HZMT EMERGENCY CONTACT*TE*8004249300

LH1*CA*8*UN1993**Flammable liquids, n.o.s.

OID**t268668**BN*8*L*1280

L5*10*Empty Plastic Totes double stacked

G61*HM*HZMT EMERGENCY CONTACT*TE*8004249300

LH1*BN*8*UN2810**Toxic, liquids, organic, n.o.s

L3*6400*G*925*FR*92500*000*****40

SE*77*10840001

GE*1*1084

IEA*1*000001084

Brokerage LTL Load:

ISA*00*   *00*   *02*RBTW   *02*XXXX
*080324*1650*U*00201*000001086*0*T*}

GS*SM*RBTW*XXXX*20080324*1650*1086*X*004010

ST*204*10860001

B2**XXXX**49090124-2test**TP

B2A*00

L11*T733718*VD

L11*pro#testTLload*CN

L11*71426*SI

L11*71426*CR

L11*USD*RB

L11*CH ROBINSON*TH

G62*64*20080206*1*1130

PLD*24

NTE*ZZZ*3017

NTE*OTH*Temp CTRL Min 42 / Max 42

N1*BT*CHRLTL*93*00

N3*14800 Charlson Road*Suite 2100

N4*Eden Prairie*MN*55347

N1*VI*CH ROBINSON CONTACT

G61*CN*MATTHEW WILLEMSEN*TE*5597412110*0404

G61*IC*MATTHEW WILLEMSEN*EM*WILLMAT@CHROBINSON.COM

G61*ZZ*CH ROBINSON

N7**ZZZZ*23500*G*******RT****4800*****0*0

S5*1*LD

L11*71426*PU

L11*71426*BM

G62*10*20080207*4*0700

G62*38*20080207*4*1700

NTE*OTH*No Touch

NTE*SPH*temp. recorder required.

NTE*PKG*Dimensions: H(ft):12 W(ft):11 L(ft):10 L(in):9

N1*SF*Maple Wood Farms - Mount Vernon*ZZ*W905201

N3*1604 BEAVER MARSH RD.*(360) 424-8667

N4*Mount Vernon*WA*98273*USA

G61*CN*LESLIE/RICK*TE*3604248667

OID**36506**CA*1200*L*23500

LAD*PLT*24

L5*1*Potatoes

S5*2*UL

L11*36506*DO

G62*68*20080214*5*0000

G62*54*20080214*5*0000

NTE*OTH*No Touch

NTE*PKG*Dimensions: H(ft):12 W(ft):11 L(ft):10 L(in):9

N1*ST*Gold Bell*ZZ*W1101006

N3*25-28 New England Produce Center

N4*Chelsea*MA*02150*USA

G61*CN*.*TE*6178848685

OID**36506**CA*1200*L*23500

LAD*PLT*24

L5*2*Potatoes

L3*23500*G*4400*FR*440000*000*****1200

SE*51*10860001

GE*1*1086

IEA*1*000001086

Brokerage - Customs Broker Load:

ISA*00*   *00*   *02*RBTW   *02*XXXX

*080324*1648*U*00201*000001085*0*T*}

GS*SM*RBTW*XXXX*20080324*1648*1085*X*004010

ST*204*10850001

B2**XXXX**9694966**PP

B2A*00

L11*T11048*VD

L11*CAD*RB

L11*CH ROBINSON*TH

G62*64*20080221*1*1533

NTE*ZZZ*437

NTE*INT*FAX RATE CONFIRMATION NOTES

N1*CB*TRANSPORTER CUSTOM SERVIC

N4*MINNEAPOLIS*MN

G61*CN*CUSTOMS BROKER CONTACT*TE*2485575100

N1*VI*CH ROBINSON CONTACT

G61*CN*MIKE JAHNKE*TE*8002335623*0846

G61*IC*MIKE JAHNKE*EM*JAHNMIC@CHROBINSON.COM

G61*ZZ*CH ROBINSON

N7**ZZZZ*45000*G*******TV****4800****0*0

S5*1*LD

G62*10*20080129

G62*38*20080129

NTE*OTH*No Touch

N1*SF*Jahnco*ZZ*W2297648

N3*255 Ripley Street

N4*Hobart*IN*46342*USA

G61*CN*Mike*TE*2192321223

OID**PO UNAVAILABLE****L*45000

L5*1*GC

S5*2*UL

G62*68*20080130

G62*54*20080130

NTE*OTH*Driver Count Required

N1*ST*JAHN HANCOCK*ZZ*W2748760

N3*2119 PILLSBURY AVE S #508

N4*MINNEAPOLIS*MN*55404*USA

G61*CN*GENERAL CONTACT NUMBER*TE*6128715471

OID**PO UNAVAILABLE****L*45000

L5*2*GC
L3*45000*G*1500*FR*150000*000*****0
SE*39*10850001
GE*1*1085
IEA*1*000001085

Transportation Management Center Load (TMC):

ISA*00*   *00*   *02*RBTW   *02*XXXX
*080324*1657*U*00201*000001087*0*T*}
GS*SM*RBTW*XXXX*20080324*1657*1087*X*004010
ST*204*10870001
B2**XXXX**50448334**PP
B2A*00
L11*T1799693*VD
L11*CHRW743332*OW
L11*USD*RB
L11*JOHN DEERE*TH
G62*64*20080324*1*1816
NTE*ZZZ*197
N1*VI*CH ROBINSON CONTACT
G61*CN*ANTHONY COOMES*TE*8664281714*0197
G61*IC*ANTHONY COOMES*EM*COOMANT@CHROBINSON.COM
G61*ZZ*JOHN DEERE
N7**ZZZZ*30000*G******FT****5300****0*0
S5*1*LD
G62*10*20080325*4*0800
G62*38*20080325*4*2300
NTE*OTH*No Touch
NTE*SPH*READY TIME: 0800CLOSE TIME: 2300
N1*SF*Robinson Steel*ZZ*W1752447
N3*4303 Kennedy Ave.
N4*East Chicago*IN*46312*USA
G61*CN*Calvin x306*TE*2193987785
OID**PO UNAVAILABLE****L*30000
L5*1*John Deere Dubuque Works Parts
S5*2*UL
G62*68*20080326*5*0600

G62*54*20080326*5*1400
NTE*OTH*No Touch
N1*ST*John Deere Dubuque Works*ZZ*T 00
N3*18600 South John Deere Road*Dock 37
N4*Dubuque*IA*52001*USA
G61*CN*Pete*TE*5635895151
OID**PO UNAVAILABLE****L*30000
L5*2*John Deere Dubuque Works Parts
L3*30000*G*600*FR*71229*11229*****0
SE*37*10870001
GE*1*1087
IEA*1*000001087

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. (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

CodeList Summary (Total Codes: 38, Included: 1)

Code	Name
02	SCAC (Standard Carrier Alpha Code)

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

User Note 1:

-Testing = RBTWTEST

-Production = RBTW

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
All valid standard codes are used. (Total Codes: 38)

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

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

Description: Date of the interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

Description: Time of the interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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. (Total Codes: 1)

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

CodeList Summary (Total Codes: 14, Included: 1)

Code	Name
00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Must use

Description: Code sent by the sender to request an interchange acknowledgment (TA1)
All valid standard codes are used. (Total Codes: 2)

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
All valid standard codes are used. (Total Codes: 3)

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

CodeList Summary (Total Codes: 240, Included: 1)

Code	Name
SM	Motor Carrier Load Tender (204)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use

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

User Note 1:

-Testing = RBTWTEST

-Production = RBTW

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
All valid standard codes are used. (Total Codes: 2)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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,

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**

then other formats are allowed

CodeList 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:

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

Description: Code uniquely identifying a Transaction Set

All valid standard codes are used. (Total Codes: 298)

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).

B2 Beginning Segment for Shipment Information Transaction

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Must use

Purpose: To transmit basic data relating to shipment information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B202	140	**Standard Carrier Alpha Code**	O	ID	2/4	Must use

Description: Standard Carrier Alpha Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B204	145	**Shipment ID Number**	M	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.

For Truckload this must be returned on the 214, 990 & 210. See 214, 990 & 210 spec for more information.

For LTLthis must be returned on the990 & 210. See 990 spec for more information.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B206	146	**Shipment Method of Payment**	M	ID	2/2	Used

Description: Code identifying payment terms for transportation charges

User Note 1:

We use the codes listed below

CodeList Summary (Total Codes: 28, Included: 3)

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

Semantics:

1. B202 contains the Standard Carrier Alpha Code (SCAC) of the carrier that will receive the bill of lading.

Comments:

1. B202 is mandatory for transaction set 204.

B2A Set Purpose

User Option (Usage): Must use
Purpose: To allow for positive identification of transaction set purpose

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B2A01	353	**Transaction Set Purpose Code**	M	ID	2/2	Used

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 65, Included: 3)

Code Name
00 Original
01 Cancellation
04 Change

L11 Business Instructions and Reference Number

Pos:	Max: 50
Not Defined - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify instructions in this business relationship or a reference number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L11	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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L11	128	**Reference Identification Qualifier**	X	ID	2/3	Used

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 7)

Code **Name**

CN   Carrier's Reference Number (PRO/Invoice)
Description:
*- Carrier's Pro Number - **Mainly for LTL shipments***

CR   Customer Reference Number
Description:
- C.H. Robinson Customer's reference number

OW   Service Order Number
Description:
- CHRW Online Confirmation Number

RB   Rate code number
Description:
- Currency for L3 rate information: USD/MXN/CAN

SI   Shipper's Identifying Number for Shipment (SID)
Description:
- C.H. Robinson Customer's Shipment ID
- It is possible to have multiple Shipment IDs

TH   Transportation Account Code (TAC)
Description:
*-**TMC (Transportation Management Center)** Freight Customer Name examples. Coke, Boise Cascade, Campbells Soup, Muehlstein, Graham Packaging, ETC.*
*-**CH Robinson**- **Brokerage network loads***

Code	Name
VD	Vendor Number

Description:

- Carrier T Number (C.H. Robinson's "Account Code" for the carrier)

User Note 1:

C.H. Robinson reserves the right to add new L11 Qualifiers without notification. Note it is possible to receive multiple SI (Shipment ID) L11s.

G62 Date/Time

<table>
<tr><td>Pos: 090</td><td style="text-align:right">Max: 1</td></tr>
<tr><td colspan="2" style="text-align:center">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td style="text-align:right">Elements: 4</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier**	M	ID	2/2	Used

Description: Code specifying type of date

CodeList Summary (Total Codes: 137, Included: 1)

Code Name

64   Must Respond By

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6202	373	**Date**	M	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6203	176	**Time Qualifier**	M	ID	1/2	Used

Description: Code specifying the reported time

CodeList Summary (Total Codes: 42, Included: 1)

Code Name

1   Must Respond By

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6204	337	**Time**	M	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)

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.

PLD   Pallet Information

Pos: 120	Max: 1
Heading - Optional	
Loop: N/A	**Elements: 1**

User Option (Usage): Used

Purpose: To specify pallet information including quantity, exchange, and weight

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PLD01	406	**Quantity of Pallets Shipped**	M	N0	1/3	Must use

Description: Number of pallets shipped

User Note 1:

Total Pallets for this shipment.

Syntax Rules:

1. P0304 - If either PLD03 or PLD04 is present, then the other is required.

NTE Note/Special Instruction

Pos: 130 **Max: 10**
Heading - Optional
Loop: N/A **Elements: 2**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE01	363	**Note Reference Code**	O	ID	3/3	Used

Description: Code identifying the functional area or purpose for which the note applies

CodeList Summary (Total Codes: 241, Included: 5)

Code	Name
INT	General Order Instructions
OTH	Other Instructions
SFM	Safety Measures

Description:

The SFM qualifier will be used to comunicate that a load is subject to the sanitary transportation of human and animal food (STF) rule.

SPH	Special Handling
ZZZ	Mutually Defined - Miles

Description:

ZZZ Qualifier is used to denote total miles

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE02	352	**Description**	M	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content

Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

User Note 1:

STF communication example:

NTE*SFM*THIS LOAD CONTAINS CARGO SUBJECT TO THE SANITARY TRANSPORTATION OF HUMAN AND
NTE*SFM*ANIMAL FOOD (STF) RULE. A FULL DESCRIPTION OF REQUIREMENTS CAN BE FOUND IN THE
NTE*SFM*CARRIER TECNHOLOGY PAGE AT CHROBINSON.COM

Loop Name - Bill To Information

Pos: 140	Repeat: 5
Optional	
Loop: 0100	**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
140	N1	Name	M	1		Must use
160	N3	Address Information	O	2		Used
170	N4	Geographic Location	O	1		Used

User Note 1:

Bill To N1 Loop

*N1 Loop with BT qualifer is Bill To Information. **Used for LTL shipments***

N1 Name

Pos: 140	**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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Used

> **Description:** Code identifying an organizational entity, a physical location, property or an individual
>
> **CodeList Summary** (Total Codes: 1312, Included: 1)
>
> **Code   Name**
> BT   Bill-to-Party

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

> **Description:** Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

> **Description:** Code designating the system/method of code structure used for Identification Code (67)
>
> **CodeList Summary** (Total Codes: 215, Included: 1)
>
> **Code   Name**
> 93   Code assigned by the organization originating the transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 160	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: 170   Max: 1
Heading - Optional
Loop: 0100   Elements: 3

User Option (Usage): Used

Purpose: To specify the geographic place 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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

Loop Name - Customs Broker Information

Pos: 140	Repeat: 5
Optional	
Loop: 0100	**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
140	N1	Name	M	1		Must use
160	N3	Address Information	O	2		Used
170	N4	Geographic Location	O	1		Used
190	G61	Contact	O	3		Used

User Note 1:

Customs Broker N1 Loop

N1 Loop with CB qualifer is Customs Broker Information.

N1 Name

Pos: 140	Max: 1
Heading - Mandatory	
Loop: 0100	**Elements: 2**

User Option (Usage): Must use

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	Used

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

CodeList Summary (Total Codes: 1312, Included: 1)

Code	Name
CB	Customs Broker

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

Description: Free-form name

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: 160	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: 170	Max: 1
Heading - Optional	
Loop: 0100	**Elements: 3**

User Option (Usage): Used

Purpose: To specify the geographic place 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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

G61   Contact

Pos: 190	Max: 3
Heading - Optional	
Loop: 0100	**Elements: 4**

User Option (Usage): Used

Purpose: To identify a person or office to whom communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6101	366	**Contact Function Code**	M	ID	2/2	Used

Description: Code identifying the major duty or responsibility of the person or group named

CodeList Summary (Total Codes: 230, Included: 1)

Code **Name**
CN   General Contact

G6102	93	**Name**	M	AN	1/60	Used

Description: Free-form name

User Note 1:

"CUSTOMS BROKER CONTACT"

G6103	365	**Communication Number Qualifier**	O	ID	2/2	Used

Description: Code identifying the type of communication number

CodeList Summary (Total Codes: 40, Included: 2)

Code **Name**
FX   Facsimile
TE   Telephone

G6104	364	**Communication Number**	O	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

Comments:

1. G6103 qualifies G6104.

Loop Name - C.H. Robinson Contact Info

Pos: 140	Repeat: 5
Optional	
Loop: 0100	**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
140	N1	Name	M	1		Must use
190	G61	Contact	O	3		Used

User Note 1:

C.H. Robinson Contact information

N1 Loop with VI qualifer is C.H. Robinson Contact Information.

N1 **Name**

User Option (Usage): Must use

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	Used

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

CodeList Summary (Total Codes: 1312, Included: 1)

Code	Name
VI	Contact Person

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

Description: Free-form name

User Note 1:

"CH ROBINSON CONTACT"

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.

User Note 1:

C.H. Robinson Contact information.

G61 Contact

Pos: 190	Max: 3
Heading - Optional	
Loop: 0100	Elements: 5

User Option (Usage): Used

Purpose: To identify a person or office to whom communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6101	366	**Contact Function Code**	M	ID	2/2	Used

Description: Code identifying the major duty or responsibility of the person or group named

> **User Note 1:**
>
> *G61_01 = ZZ*
>
> *-**TMC (Transportation Management Center)** Freight Customer Name*
> *examples. Coke, Boise Cascade, Campbells Soup, Muehlstein, Graham Packaging, ETC.*
> *-**CH Robinson**- **Brokerage network loads***

CodeList Summary (Total Codes: 230, Included: 3)

Code	Name
CN	General Contact

Description:

C.H. Robinson Contact Information

IC	Information Contact

Description:

C.H. Robinson Contact Information - Email Information

ZZ	Mutually Defined

Description:

G61_01 = ZZ - C.H. Robinson Customer or Brokerage information

- Transportation Management Center (TMC) Logistics loads - Freight Customer is listed
- Brokerage network loads - "CH Robinson" is listed

Example:

G61*ZZ*JOHN DEERE - This is a TMC load. (there are several TMC customers)

G61*ZZ*CH ROBINSON - This is a Brokerage load

G6102	93	**Name**	M	AN	1/60	Used

Description: Free-form name

G6103	365	**Communication Number Qualifier**	M	ID	2/2	Used

Description: Code identifying the type of communication number

CodeList Summary (Total Codes: 40, Included: 2)

<u>**Code**</u> <u>**Name**</u>
EM   Electronic Mail
TE   Telephone

G6104	364	**Communication Number**	M	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

G6105	443	**Contact Inquiry Reference**	O	AN	1/20	Used

Description: Additional reference number or description to clarify a contact number

User Note 1:

C.H. Robinson representative's branch number - Will only be present on the G61 with the 'CN' qualifer.

Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

Comments:

1. G6103 qualifies G6104.

Loop Equipment Details

Pos: 200	Repeat: 10
Optional	
Loop: 0200	Elements: N/A

User Option (Usage): Used

Purpose: To identify the equipment

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
200	N7	Equipment Details	M	1		Must use

N7 Equipment Details

Pos: 200	Max: 1
Heading - Mandatory	
Loop: 0200	**Elements: 7**

User Option (Usage): Must use

Purpose: To identify the equipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N702	207	**Equipment Number**	M	AN	1/10	Used

> **Description:** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)
>
> **User Note 1:**
>
> *"ZZZZ" = Equipment Number Unknown at time of shipment.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N703	81	**Weight**	X	R	1/10	Used

> **Description:** Numeric value of weight
>
> **User Note 1:**
>
> *Total Weight*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N704	187	**Weight Qualifier**	X	ID	1/2	Used

> **Description:** Code defining the type of weight
>
> **CodeList Summary** (Total Codes: 51, Included: 1)

Code	Name
G	Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N711	40	**Equipment Type**	O	ID	2/2	Used

> **Description:** Code identifying type of equipment used for shipment
>
> **CodeList Summary** (Total Codes: 134, Included: 8)

Code	Name
BK	Container, Bulk
CN	Container
DD	Double-Drop Trailer

> **Description:** *A flatbed with two drop decks*

Code	Name
FR	Flat Bed Trailer - Removable Sides
FT	Flat Bed Trailer
RT	Controlled Temperature Trailer (Reefer)
TL	Trailer (not otherwise specified)
TV	Truck, Van

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N715	567	**Equipment Length**	O	N0	4/5	Used

> **Description:** Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N720	65	**Equipment Height**	O	R	1/8	Used

> **Description:** Vertical dimension of an object measured when the object is in the upright

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		position				
N721	189	**Equipment Width**	O	R	1/8	Used

Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position

Syntax Rules:

1. P0304 - If either N703 or N704 is present, then the other is required.
2. P0516 - If either N705 or N716 is present, then the other is required.
3. P0809 - If either N708 or N709 is present, then the other is required.

Semantics:

1. N712 is the owner of the equipment.
2. N723 is the operator or carrier of the rights of the equipment.

Comments:

1. N720 and N721 are expressed in inches.

Loop Stop Off Details

Pos: 010	Repeat: 999
Mandatory	
Loop: 0300	**Elements: N/A**

User Option (Usage): Must use

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	M	1		Must use
020	L11	Business Instructions and Reference Number	O	50		Used
030	G62	Date/Time	O	2		Used
060	AT5	Bill of Lading Handling Requirements	O	6		Used
065	NTE	Note/Special Instruction	O	20		Used
070		Loop 0310	O		1	Used
150		Loop 0350	O		999	Used

S5 Stop Off Details

Pos: 010 **Max: 1**
Detail - Mandatory
Loop: 0300 **Elements: 2**

User Option (Usage): Must use
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

CodeList Summary (Total Codes: 19, Included: 2)

Code	Name
LD	Load
UL	Unload

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.

L11 Business Instructions and Reference Number

Pos: 020   Max: 50
Detail - Optional
Loop: 0300   Elements: 2

User Option (Usage): Used

Purpose: To specify instructions in this business relationship or a reference number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1101	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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1102	128	**Reference Identification Qualifier**	X	ID	2/3	Used

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 4)

Code	Name
AO	Appointment Number
BM	Bill of Lading Number
DO	Delivery Order Number
PU	Pick Up Number

Syntax Rules:

1. P0102 - If either L1101 or L1102 is present, then the other is required.
2. R0103 - At least one of L1101 or L1103 is required.

G62 Date/Time

Pos: 030   **Max: 2**
Detail - Optional
Loop: 0300   **Elements: 5**

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier**	X	ID	2/2	Used

Description: Code specifying type of date

CodeList Summary (Total Codes: 137, Included: 4)

Code	Name
10	Requested Ship Date/Pick-up Date
38	Ship Not Later Than Date
54	Deliver No Later Than Date
68	Requested Delivery Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6202	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6203	176	**Time Qualifier**	X	ID	1/2	Used

Description: Code specifying the reported time

CodeList Summary (Total Codes: 42, Included: 2)

Code	Name
4	Pickup Requested Scheduled Time
5	Delivery Requested Scheduled Time

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6204	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
G6205	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. (Total Codes: 51)

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.

AT5 Bill of Lading Handling Requirements

Pos: 060	Max: 6
Detail - Optional	
Loop: 0300	Elements: 1

User Option (Usage): Used

Purpose: To identify Bill of Lading handling and service requirements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT501	152	**Special Handling Code**	X	ID	2/3	Used

Description: Code specifying special transportation handling instructions

CodeList Summary (Total Codes: 526, Included: 1)

Code	Name
HZD	Hazardous Cargo On Deck

Syntax Rules:

1. E0103 - Only one of AT501 or AT503 may be present.
2. E0203 - Only one of AT502 or AT503 may be present.

User Note 1:

Only present on Hazmat loads.

NTE   Note/Special Instruction

Pos: 065   Max: 20
Detail - Optional
Loop: 0300   Elements: 2

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE01	363	**Note Reference Code**	O	ID	3/3	Used

> **Description:** Code identifying the functional area or purpose for which the note applies
>
> **CodeList Summary** (Total Codes: 241, Included: 3)
>
> **Code Name**
> OTH   Other Instructions
> PKG   Packaging Instructions
> **Description:**
>
> *PKG - Dimension Information. Use mainly for LTL shipments.*
>
> SPH   Special Handling

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE02	352	**Description**	M	AN	1/80	Must use

> **Description:** A free-form description to clarify the related data elements and their content

Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Loop Name

<table>
<tr><td>Pos: 070</td><td>Repeat: 1</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td colspan="2">Loop: 0310   Elements: N/A</td></tr>
</table>

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
070	N1	Name	O	1		Used
090	N3	Address Information	O	2		Used
100	N4	Geographic Location	O	1		Used
120	G61	Contact	O	3		Used

N1 Name

Pos: 070	**Max: 1**
Detail - Optional	
Loop: 0310	**Elements: 4**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

CodeList Summary (Total Codes: 1312, Included: 2)

Code	Name
SF	Ship From
ST	Ship To

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

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 215, Included: 1)

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code

User Note 1:

W-Code - C.H. Robinson Warehouse Code example W45688

TMC Customer Location Code - Our customers location code when available. If not available, C.H. Robinson warehouse code (w-code) example W45688

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

<table>
<tr><td>Pos: 090</td><td>Max: 2</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: 0310</td><td>Elements: 2</td></tr>
</table>

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: 100   Max: 1
Detail - Optional
Loop: 0310   Elements: 3

User Option (Usage): Used

Purpose: To specify the geographic place 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.

G61 Contact

Pos: 120	**Max: 3**
Detail - Optional	
Loop: 0310	**Elements: 4**

User Option (Usage): Used

Purpose: To identify a person or office to whom communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6101	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named

CodeList Summary (Total Codes: 230, Included: 1)

Code	Name
CN	General Contact

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6102	93	**Name**	M	AN	1/60	Must use

Description: Free-form name

> **User Note 1:**
>
> *If contact name is unavailable, '"GENERAL CONTACT NUMBER" will be passed.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6103	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

CodeList Summary (Total Codes: 40, Included: 2)

Code	Name
EM	Electronic Mail
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6104	364	**Communication Number**	X	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

Comments:

1. G6103 qualifies G6104.

Loop Order Identification Detail

<table>
<tr><td>Pos: 150</td><td>Repeat: 999</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td colspan="2">Loop: 0350   Elements: N/A</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify order identification detail

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
150	OID	Order Identification Detail	O	1		Used
180	LAD	Lading Detail	O	999		Used
190		Loop 0360	O		99	Used

OID Order Identification Detail

Pos: 150	Max: 1
Detail - Optional	
Loop: 0350	Elements: 5

User Option (Usage): Used

Purpose: To specify order identification detail

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OID02	324	**Purchase Order Number**	X	AN	1/22	Used

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

User Note 1:

If the customer PO is not available, will read "PO UNAVAILABLE"

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OID04	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

CodeList Summary (Total Codes: 794, Included: 39)

Code	Name
2W	Bin

Description: *Storage container used as a unit of measurement*

Code	Name
48	Bulk Car Load

Description: *A fully loaded rail car containing dry bulk loose materials*

Code	Name
AB	Bulk Pack
BA	Bale
BC	Bucket
BD	Bundle
BG	Bag
BN	Bulk
BO	Bottle
BX	Box
CA	Case
CP	Crate
CT	Carton
DR	Drum
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
JR	Jar
KT	Kit
LF	Linear Foot
PA	Pail
PC	Piece
PD	Pad

		Code **Name**				
		PK	Package			
		PL	Pallet/Unit Load			
		PR	Pair			
		RE	Reel			
		RL	Roll			
		S9	Slip Sheet			

Description: *A cardboard platform used for holding product for storage or transportation*

SH	Sheet
SJ	Sack
ST	Set
SV	Skid
TE	Tote
TY	Tray
YD	Yard
Z5	Lug
ZZ	Mutually Defined

OID05	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity

OID06	188	**Weight Unit Code**	X	ID	1/1	Used

Description: Code specifying the weight unit

CodeList Summary (Total Codes: 8, Included: 2)

Code	**Name**
K	Kilograms
L	Pounds

OID07	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

Syntax Rules:

1. C0302 - If OID03 is present, then OID02 is required.
2. P0405 - If either OID04 or OID05 is present, then the other is required.
3. P0607 - If either OID06 or OID07 is present, then the other is required.
4. P0809 - If either OID08 or OID09 is present, then the other is required.
5. R0102 - At least one of OID01 or OID02 is required.

Semantics:

1. OID01 is the seller's order identification number.
2. OID03 is the number assigned by the consignee to further define the purchase order number.

LAD Lading Detail

Pos: 180	**Max: 999**
Detail - Optional	
Loop: 0350	**Elements: 8**

User Option (Usage): Used

Purpose: To transmit detailed lading data pertinent to a pickup or delivery

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD01	211	**Packaging Form Code**	X	ID	3/3	Used

Description: Code for packaging form of the lading quantity

CodeList Summary (Total Codes: 134, Included: 1)

Code Name

PLT   Pallet

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD02	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
LAD07	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: *Qualifier "LG" will be used to denote Pallet Length*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD08	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service.

User Note 1: *Length will be denoted by XXX.NN. XXX equals length in Feet, and NN equal length in inches*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD09	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: *Qualifier "W1" will be used to denote Pallet Width*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD10	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD11	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: *Qualifier "HI" will be used to denote Pallet Height*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD12	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Syntax Rules:

1. P0102 - If either LAD01 or LAD02 is present, then the other is required.
2. P0304 - If either LAD03 or LAD04 is present, then the other is required.
3. P0506 - If either LAD05 or LAD06 is present, then the other is required.

4. P0708 - If either LAD07 or LAD08 is present, then the other is required.
5. P0910 - If either LAD09 or LAD10 is present, then the other is required.
6. P1112 - If either LAD11 or LAD12 is present, then the other is required.

User Note 1:

Pallets information for this item

Loop Description, Marks and Numbers

<table>
<tr><td>Pos: 190</td><td>Repeat: 99</td></tr>
<tr><td colspan="2" align="center">Optional</td></tr>
<tr><td>Loop: 0360</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
190	L5	Description, Marks and Numbers	O	1		Used
200		Loop 0365	O		99	Used

L5 Description, Marks and Numbers

Pos: 190	Max: 1
Detail - Optional	
Loop: 0360	Elements: 6

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L506	87	**Marks and Numbers**	X	AN	1/48	Used

Description: Marks and numbers used to identify a shipment or parts of a shipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L507	88	**Marks and Numbers Qualifier**	O	ID	1/2	Used

Description: Code specifying the application or source of Marks and Numbers (87)

CodeList Summary (Total Codes: 20, Included: 1)

Code	Name
X	Pallet Configuration Number

    Description: *Used to denote pallet position*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L508	23	**Commodity Code Qualifier**	X	ID	1/1	Used

Description: Code identifying the commodity coding system used for Commodity Code

CodeList Summary (Total Codes: 23, Included: 1)

Code	Name
N	National Motor Freight Classification (NMFC)

    Description: *Used to Indicate Freight Class Code*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L509	22	**Commodity Code**	X	AN	1/30	Used

Description: Code describing a commodity or group of commodities

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.

Loop Contact

Pos: 200	**Repeat: 99**
	Optional
Loop: 0365	**Elements: N/A**

User Option (Usage): Used

Purpose: To identify a person or office to whom communications should be directed

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
200	G61	Contact	O	1		Used
203		Loop 0370	O		25	Used

G61 Contact

Pos: 200 Max: 1
Detail - Optional
Loop: 0365 Elements: 4

User Option (Usage): Used

Purpose: To identify a person or office to whom communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6101	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named

CodeList Summary (Total Codes: 230, Included: 1)

Code Name
HM   Hazardous Material Contact

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6102	93	**Name**	M	AN	1/60	Must use

Description: Free-form name

User Note 1:

"HZMT EMERGENCY CONTACT"

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6103	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

CodeList Summary (Total Codes: 40, Included: 1)

Code Name
TE   Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6104	364	**Communication Number**	X	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

Loop Hazardous Identification Information

Pos: 203   Repeat: 25
Optional
Loop: 0370   Elements: N/A

User Option (Usage): Used

Purpose: To specify the hazardous commodity identification reference number and quantity

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
203	LH1	Hazardous Identification Information	O	1		Used

LH1 Hazardous Identification Information

<table>
<tr><td>Pos: 203</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: 0370</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify the hazardous commodity identification reference number and quantity

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH101	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

CodeList Summary (Total Codes: 794, Included: 39)

Code	Name
2W	Bin

Description: *Storage container used as a unit of measurement*

Code	Name
48	Bulk Car Load

Description: *A fully loaded rail car containing dry bulk loose materials*

Code	Name
AB	Bulk Pack
BA	Bale
BC	Bucket
BD	Bundle
BG	Bag
BN	Bulk
BO	Bottle
BX	Box
CA	Case
CP	Crate
CT	Carton
DR	Drum
DZ	Dozen
EA	Each
FT	Foot
GA	Gallon
JR	Jar
KT	Kit
LF	Linear Foot
PA	Pail
PC	Piece
PD	Pad
PK	Package
PL	Pallet/Unit Load
PR	Pair
RE	Reel
RL	Roll

	Code	**Name**
	S9	Slip Sheet

Description: *A cardboard platform used for holding product for storage or transportation*

	Code	Name
	SH	Sheet
	SJ	Sack
	ST	Set
	SV	Skid
	TE	Tote
	TY	Tray
	YD	Yard
	Z5	Lug
	ZZ	Mutually Defined

| LH102 | 80 | **Lading Quantity** | M | N0 | 1/7 | Must use |

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

| LH103 | 277 | **UN/NA Identification Code** | O | ID | 6/6 | Used |

Description: Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America

| LH105 | 22 | **Commodity Code** | O | AN | 1/30 | Used |

Description: Code describing a commodity or group of commodities

User Note 1:

Hazardous material description

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**	C	R	1/10	Used

Description: Numeric value of weight

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

Description: Code defining the type of weight

CodeList Summary (Total Codes: 51, Included: 1)

Code	Name
G	Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L303	60	**Freight Rate**	C	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**	C	ID	2/2	Used

Description: Code qualifying how to extend charges or interpret value

CodeList Summary (Total Codes: 163, Included: 9)

Code	Name
CW	Per Hundred Weight

Description: *Describes a transportation rate that applies to every one hundred pounds of total weight of an individual shipment*

Code	Name
FR	Flat Rate
LB	Per Pound
MM	Per Metric Ton (Tonne)
PD	Per Day
PM	Per Mile
PP	Per Piece
PR	Per Hour
SY	Square Yard

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

User Note 1:

Total Charges; (Freight + Accessorial)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L306	191	**Advances**	O	N2	1/9	Used

Description: Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment,

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		icing) expressed in the standard monetary denomination for the currency specified				
		User Note 1:				
		Total Accessorial only.				
L311	80	**Lading Quantity**	O	N0	1/7	Used

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

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.

User Note 1:

L3_05 = Total Charges Including Accessorial.

L3_06 = Total Accessorial Only.

Subtract L3_06 from L3_05 for Freight Only Amount.

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:

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

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

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