



C.H. ROBINSON

204 Intermodal Dray Carrier Load Tender

X12/V4010/204: 204 Motor Carrier Load Tender

Version: 1.2 Final

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204 Motor Carrier Load Tender

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:

<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	O	1			Must use
020	B2	Beginning Segment for Shipment Information Transaction	M	1			Must use
030	B2A	Set Purpose	M	1			Must use
080	L11	Business Instructions and Reference Number	O	50			Used
090	G62	Date/Time	O	1		N1/090	Used
100	MS3	Interline Information	O	1			Used
130	NTE	Note/Special Instruction	O	10			Used

<u>LOOP ID - 0100</u>					<u>5</u>	<u>N1/140L</u>	
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

<u>LOOP ID - 0200</u>					<u>10</u>		
200	N7	Equipment Details	M	1			Must use
210	M7	Seal Numbers	O	2			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>
<u>LOOP ID - 0300</u>					<u>999</u>		
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
065	NTE	Note/Special Instruction	O	20			Used

<u>LOOP ID - 0310</u>					<u>1</u>		
070	N1	Name	M	1			Must use
090	N3	Address Information	O	2			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>
100	N4	Geographic Location	O	1			Used
120	G61	Contact	O	3			Used
LOOP ID - 0350					999	N2/150L	
150	OID	Order Identification Detail	M	1		N2/150	Must use
LOOP ID - 0360					99	N2/190L	
190	L5	Description, Marks and Numbers	M	1		N2/190	Must use
LOOP ID - 0365					99	N2/200L	
200	G61	Contact	M	1		N2/200	Must use
LOOP ID - 0370					25		
203	LH1	Hazardous Identification Information	M	1			Must use

Summary:

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

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.
- 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 204 spec is for outbound load tenders to Intermodal Dray Carriers.

Sample: Pick Up Order (IPU)

ST*204*92880001
 B2**XXXX**38348119**PP
 B2A*00
 L11*IDL*SI
 L11*APCU*PID
 L11*180.00*22*400-Line Haul
 L11*45.00*22*405-Fuel Surcharge (IMDL)
 G62*64*20070108*1*1707
 MS3*APLS*B*UP MONTEBELLO*X*CA
 NTE*EED*ProgramType: APCU
 NTE*PMT*SEND INVOICES TO: C.H. ROBINSON INTERMODAL ATTN: DRAY PAYABLES
 NTE*PMT*PO BOX 5580 CORALVILLE, IA 52241 FAX # (800) 316-8130
 NTE*PMT*MUST HAVE SIGNED BOL WITH IN/OUT TIMES
 N1*SH*C.H. ROBINSON INC.
 G61*CN*EDDY SHAHEEN*TE*6305771700*AFT HRS 6306053654
 G61*CN*EDDY SHAHEEN*FX*6305770178
 G61*CN*EDDY SHAHEEN*EM*273-WEST@CHROBINSON.COM
 N1*SF*The Clorox Sales Co
 N3*1113 Maryland Avenue*C/O Rockline Ind
 N4*Sheboygan*WI*53081
 N1*RO*UP Global 1
 N3*1425 S. Western Ave.
 N4*Chicago*IL*60608
 N7**APCU537395*42960*G*****CN****0053*****0*0
 S5*1*DR
 L11*3*FSN
 NTE*WHI*SATELLITE RAMP FOR UP OVERFLOW TRAFFIC FROM ARMOURDALE, COUNCIL
 BLUFFS, DENVER,
 NTE*WHI*DUPO AND SALT LAKE CITY.
 N1*RD*UP MONTEBELLO*93*W2008449
 N3*329 VAN NORMAN ROAD
 N4*Montebello*CA*90640*USA
 G61*CN*GENERAL CONTACT NUMBER*TE*5629497279
 S5*2*UL
 L11*1*FSN
 NTE*SPH*LIVE LOAD!! No Touch
 NTE*SPH*Must Schedule Delivery
 NTE*WHI*For Outbounds Ext 222 Jennifer
 NTE*WHI*IF you are not CHR ATLANTA. DO NOT CALL this receiver. PLEASE!!!
 NTE*WHI*MUST DELIVER ON TIME>>>>CARRIER WILL BE FINED \$250 FOR MISSED DELIVERY
 APPTS>>>>
 NTE*WHI*External LocationNum: SEON13
 NTE*WHI*Name: SERVICECRAFT
 NTE*WHI*Address: 5600 E FRANCIS STREET
 NTE*WHI*Address:
 NTE*WHI*City/St/Zip: ONTARIO, CA 91761
 NTE*WHI*(909) 390-3566
 N1*ST*Servicecraft*93*00913803300BZ
 N3*5600 E Francis St
 N4*Ontario*CA*91761*USA
 G61*CN*Carl*TE*8886044294
 OID**1001332094****L*42960
 L5*1*MISC
 L3*42960*G*1*FR*22500*4500*4500*405***4200

SE*53*92880001

Sample Delivery Order (IDL):

ST*204*92890001

B2**XXXX**38367927**PP

B2A*00

L11*IDL*SI

L11*APCU*PID

L11*160.00*22*400-Line Haul

L11*40.00*22*405-Fuel Surcharge (IMDL)

G62*64*20070108*1*1730

MS3*APLS*B*UP City of Industry*X*CA

NTE*EED*ProgramType: APCU

NTE*PMT*SEND INVOICES TO: C.H. ROBINSON INTERMODAL ATTN: DRAY PAYABLES

NTE*PMT*PO BOX 5580 CORALVILLE, IA 52241 FAX # (800) 316-8130

NTE*PMT*MUST HAVE SIGNED BOL WITH IN/OUT TIMES

N1*SH*C.H. ROBINSON INC.

G61*CN*EDDY SHAHEEN*TE*6305771700*AFT HRS 6306053654

G61*CN*EDDY SHAHEEN*FX*6305770178

G61*CN*EDDY SHAHEEN*EM*273-WEST@CHROBINSON.COM

N1*SF*Green Bay Packaging

N3*3250 S Ridge Road

N4*Green Bay*WI*54304

N1*RO*UP Global 1

N3*1425 S. Western Ave.

N4*Chicago*IL*60608

N7**PACU894544*43500*G*****CN****0053*****0*0

S5*1*DR

L11*3*FSN

NTE*WHI*clerks desk at up-coind 626 935 7502

NTE*WHI*additional # 626 935 7501

NTE*WHI*john palamino...csx safety and claims representative on site at the ramp. 626 9

NTE*WHI*35 7501

N1*RD*UP City of Industry*93*W643702

N3*650 Stimson Ave.

N4*City Of Industry*CA*91745*USA

G61*CN*NT*TE*6269357502

S5*2*UL

L11*1*FSN

NTE*SPH*LIVE LOAD!! No Touch

NTE*SPH*Must Schedule Delivery

N1*ST*Green Bay Packaging*93*01

N3*10727 7th Street, Suite A*LA Coated Products Division

N4*Rancho Cucamonga*CA*91730*USA

G61*CN*Luis*TE*9094663501

OID**PO UNAVAILABLE****L*43500

L5*1*paper product

L3*43500*G*1*FR*20000*4000*4000*405****0

SE*46*92890001

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
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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
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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
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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
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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
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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:

Test = RBINTEST / Production = RBIN

ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
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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)

ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
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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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		receiving ID to route data to them				
ISA09	I08	Interchange Date	M	DT	6/6	Must use
		Description: Date of the interchange				
ISA10	I09	Interchange Time	M	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use
		Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer				
		All valid standard codes are used. (Total Codes: 1)				
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: 3)				
		Code Name				
		00400 Standard Issued as ANSI X12.5-1997				
		00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
		00402 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1998				
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)				
		All valid standard codes are used. (Total Codes: 2)				
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)				
ISA16	I15	Component Element Separator	M		1/1	Must use
		Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

GS Functional Group Header

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

User Option (Usage): Must use

Purpose: To indicate the beginning of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

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

Code Name

SM Motor Carrier Load Tender (204)

GS02	142	Application Sender's Code	M	AN	2/15	Must use
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Description: Code identifying party sending transmission; codes agreed to by trading partners

User Note 1:

Test = RBINTEST / Production = RBIN

GS03	124	Application Receiver's Code	M	AN	2/15	Must use
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Description: Code identifying party receiving transmission; codes agreed to by trading partners

GS04	373	Date	M	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD

GS05	337	Time	M	TM	4/8	Must use
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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
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Description: Assigned number originated and maintained by the sender

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

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 - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Used
		Description: Code uniquely identifying a Transaction Set All valid standard codes are used. (Total Codes: 298)				
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).

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B202	140	Standard Carrier Alpha Code	M	ID	2/4	Must use

Description: Standard Carrier Alpha Code

User Note 1: Assigned Carriers SCAC

B204	145	Shipment Identification Number	M	AN	1/30	Must use
------	-----	--------------------------------	---	----	------	----------

Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)

User Note 1:

B2/04 is the CHR load number. It is mandatory to return the load number on the 990 and 214.

990:

*B1/02 Example: B1*SCAC*300086530*20070511*A*

214:

*B10/02 Example: B10*512840*300086530*SCAC*

*L11 with 'AG' qualifier (header level) Example: L11*300086530*AG*

B206	146	Shipment Method of Payment	M	ID	2/2	Must use
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Description: Code identifying payment terms for transportation charges

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.
2. If B211 is used, B206 will indicate the party or parties responsible for payment of the transportation terms identified in B211.

Comments:

1. B202 is mandatory for transaction set 204.
2. B209 is mandatory for rail transactions.

B2A Set Purpose

Pos: 030	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 1

User Option (Usage): Must use

Purpose: To allow for positive identification of transaction set purpose

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>
B2A01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

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

<u>Code</u>	<u>Name</u>
00	Original
01	Cancellation
04	Change

L11 Business Instructions and Reference Number

Pos: 080	Max: 50
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

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

L1102	128	Reference Identification Qualifier	X	ID	2/3	Used
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Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 6)

Code Name

22	Special Charge or Allowance Code
EQ	Equipment Number
LU	Location Number
SI	Shipper's Identifying Number for Shipment (SID)
PID	Program Identification Number
RSN	Reservation 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.

User Note 1:

C.H. Robinson requires the reference number with the SI qualifier to be sent back on the 990 & all 214's.

*990: N9 segment, Example: N9*SI*IPU*

*214: L11 Segment, Example: L11*IPU*SI*

L11's with a '22' Qualifier represent rates for individual charges.

G62 Date/Time

Pos: 090	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

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

Description: Code specifying type of date

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

<u>Code</u>	<u>Name</u>
64	Must Respond By

G6202	373	Date	X	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

G6203	176	Time Qualifier	X	ID	1/2	Used
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Description: Code specifying the reported time

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

<u>Code</u>	<u>Name</u>
1	Must Respond By

G6204	337	Time	X	TM	4/8	Used
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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.

User Note 1:

Expire Date & Time

MS3 Interline Information

Pos: 100	Max: 1
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

Purpose: To identify the interline carrier and relevant 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>
MS301	140	Standard Carrier Alpha Code	M	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
		User Note 1: <i>Rail Carrier SCAC</i>				
MS302	133	Routing Sequence Code	M	ID	1/2	Used
		Description: Code describing the relationship of a carrier to a specific shipment movement				
		CodeList Summary (Total Codes: 23, Included: 1)				
		Code Name				
		B Origin/Delivery Carrier (Any Mode)				
MS303	19	City Name	X	AN	2/30	Used
		Description: Free-form text for city name				
		User Note 1: <i>Ramp Name</i>				
MS304	91	Transportation Method/Type Code	O	ID	1/2	Used
		Description: Code specifying the method or type of transportation for the shipment				
		CodeList Summary (Total Codes: 71, Included: 1)				
		Code Name				
		X Intermodal (Piggyback)				
MS305	156	State or Province Code	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
		User Note 1: <i>Ramp State</i>				

Syntax Rules:

1. C0503 - If MS305 is present, then MS303 is required.

Semantics:

1. MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.
2. MS303 is the city where the interline was performed.

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:

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

EED Equipment Description

OTH Other Instructions

PMT Payment

NTE02	352	Description	M	AN	1/80	Used
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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

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:

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

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:

<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

CodeList Summary (Total Codes: 1312, Included: 5)

Code Name

- CN Consignee
- RD Destination Intermodal Ramp
- RO Original Intermodal Ramp
- SF Ship From
- SH Shipper

N102	93	Name	X	AN	1/60	Used
------	----	-------------	---	----	------	------

Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
------	----	--------------------------------------	---	----	-----	------

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

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

Code Name

- 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: 160	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: 170	Max: 1
Heading - Optional	
Loop: 0100	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6101	366	Contact Function Code	M	ID	2/2	Used
<p>Description: Code identifying the major duty or responsibility of the person or group named</p> <p>CodeList Summary (Total Codes: 230, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>CN General Contact</p>						
G6102	93	Name	M	AN	1/60	Used
<p>Description: Free-form name</p>						
G6103	365	Communication Number Qualifier	X	ID	2/2	Used
<p>Description: Code identifying the type of communication number</p> <p>CodeList Summary (Total Codes: 40, Included: 2)</p> <p><u>Code</u> <u>Name</u></p> <p>FX Facsimile</p> <p>TE Telephone</p>						
G6104	364	Communication Number	X	AN	1/80	Used
<p>Description: Complete communications number including country or area code when applicable</p>						

Syntax Rules:

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

Comments:

1. G6103 qualifies G6104.

User Note 1:

C.H. Robinson Contact

Loop Equipment Details

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

User Option (Usage): Used

Purpose: To identify the equipment

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>
200	N7	Equipment Details	M	1		Must use
210	M7	Seal Numbers	O	2		Used

N7 Equipment Details

Pos: 200	Max: 1
Heading - Mandatory	
Loop: 0200	Elements: 4

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: If C.H. Robinson does not have the equipment number, ZZZZ will be passed in the N702.

N711	40	Equipment Description Code	O	ID	2/2	Used
------	----	----------------------------	---	----	-----	------

Description: Code identifying type of equipment used for shipment

CodeList Summary (Total Codes: 134, Included: 3)

Code Name

- CN Container
- CZ Refrigerated Container
- TL Trailer (not otherwise specified)

N713	319	Temperature Control	O	AN	3/6	Used
------	-----	---------------------	---	----	-----	------

Description: Free-form abbreviation of temperature range or flash-point temperature

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)

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. N701 is mandatory for rail transactions.
2. N720 and N721 are expressed in inches.

M7 Seal Numbers

Pos: 210	Max: 2
Heading - Optional	
Loop: 0200	Elements: 1

User Option (Usage): Used

Purpose: To record seal numbers used and the organization that applied the seals

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>
M701	225	Seal Number	M	AN	2/15	Used

Description: Unique number on seal used to close a shipment

Comments:

1. M705 indicates the name of the organization which applied the seal(s).

Loop Stop Off Details

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

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	S5	Stop Off Details	M	1		Must use
020	L11	Business Instructions and Reference Number	O	50		Used
030	G62	Date/Time	O	2		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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
S501	165	Stop Sequence Number	M	N0	1/3	Used

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

User Note 1: S501 is NOT the C.H. Robinson Stop Number.

See L11 segment with the FSN Qualifier.

S502	163	Stop Reason Code	M	ID	2/2	Used
------	-----	------------------	---	----	-----	------

Description: Code specifying the reason for the stop

User Note 1: RT = Drop Trailer @ Pick-up Location

DT = Drop Trailer @ Delivery Location

ZZ - Used on Cancel 204's

CodeList Summary (Total Codes: 19, Included: 5)

Code Name

DR	Deramp and Ramp for Subsequent Loading
DT	Drop Trailer
LD	Load
RT	Retrieval of Trailer
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:

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

L1102	128	Reference Identification Qualifier	X	ID	2/3	Used
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Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 3)

Code Name

DO	Delivery Order Number
PU	Previous Bill of Lading Number
FSN	Assigned Sequence 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.

User Note 1:

L11 with 'FSN' qualifier represents the CHR Stop Sequence Number. This may be different from carrier stop number.

It is mandatory to return the L11*FSN CHR Stop Sequence Number in the 214:

```

ST*214*0001~
B10*ID0081869/001*300086530*ABCD~
L11*300086530*AG~
L11*IDL*SI~
LX*1~
AT7*X1*NS***20190716*0712*LT~
MS1*CHERRYVILLE*NC*US~
MS2*ABCD*TGHU522175~
L11*OIDL*SI
L11*4*FSN
SE*10*0001~
    
```

G62 Date/Time

Pos: 030	Max: 2
Detail - Optional	
Loop: 0300	Elements: 4

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

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

Description: Code specifying type of date

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

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

G6202	373	Date	X	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

G6203	176	Time Qualifier	X	ID	1/2	Used
-------	-----	-----------------------	---	----	-----	------

Description: Code specifying the reported time

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

<u>Code</u>	<u>Name</u>
4	Pickup Requested Scheduled Time
5	Delivery Requested Scheduled Time

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)

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.

User Note 1:

If appointment dates are not available, an NTE segment will be sent indicating to schedule the appointment.

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:

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

EED Equipment Description

SPH Special Handling

WHI Warehouse Instruction

NTE02	352	Description	M	AN	1/80	Used
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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

Pos: 070 Repeat: 1
 Optional
 Loop: 0310 Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
070	N1	Name	M	1		Must use
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 - Mandatory	
Loop: 0310	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	Used

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

CodeList Summary (Total Codes: 1312, Included: 4)

Code Name

- RD Destination Intermodal Ramp
- RO Original Intermodal Ramp
- SF Ship From
- ST Ship To

N102	93	Name	X	AN	1/60	Used
------	----	-------------	---	----	------	------

Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
------	----	--------------------------------------	---	----	-----	------

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

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

Code Name

- 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: 090	Max: 2
Detail - Optional	
Loop: 0310	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: 100	Max: 1
Detail - Optional	
Loop: 0310	Elements: 6

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
N405	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location				
		All valid standard codes are used. (Total Codes: 172)				
N406	310	Location Identifier	X	AN	1/30	Used
		Description: Code which identifies a specific location				

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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)				
		<u>Code</u> <u>Name</u>				
		CN General Contact				
G6102	93	Name	M	AN	1/60	Used
		Description: Free-form name				
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)				
		<u>Code</u> <u>Name</u>				
		TE Telephone				
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

Pos: 150 Repeat: 999
 Optional
 Loop: 0350 Elements: N/A

User Option (Usage): Used

Purpose: To specify order identification detail

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>
150	OID	Order Identification Detail	M	1		Must use
190		Loop 0360	O		99	Used

OID Order Identification Detail

Pos: 150	Max: 1
Detail - Mandatory	
Loop: 0350	Elements: 6

User Option (Usage): Must use

Purpose: To specify order identification detail

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>
OID02	324	Purchase Order Number	X	AN	1/22	Used

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

User Note 1:

"PO UNAVAILABLE" will be sent if PO is not known at time of shipment.

OID03	127	Reference Identification	X	AN	1/30	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

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

User Note 1: *ZZ - Other*

CodeList Summary (Total Codes: 794, Included: 25)

<u>Code</u>	<u>Name</u>
2W	Bin
BA	Bale
BD	Bundle
BG	Bag
BO	Bottle
BX	Box
CA	Case
CP	Crate
CT	Carton
DR	Drum
JR	Jar
PA	Pail
PC	Piece
PK	Package
PL	Pallet/Unit Load
RE	Reel
RL	Roll
S9	Slip Sheet
SJ	Sack
SV	Skid
TE	Tote
TY	Tray
YD	Yard

		<u>Code</u>	<u>Name</u>				
		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: 1)					
		<u>Code</u>	<u>Name</u>				
		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.

Loop Description, Marks and Numbers

Pos: 190 Repeat: 99
 Optional
 Loop: 0360 Elements: N/A

User Option (Usage): Used

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

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>
190	L5	Description, Marks and Numbers	M	1		Must use
200		Loop 0365	O		99	Used

L5 Description, Marks and Numbers

Pos: 190	Max: 1
Detail - Mandatory	
Loop: 0360	Elements: 2

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	O	N0	1/3	Used
		Description: Sequential line number for a lading item				
L502	79	Lading Description	O	AN	1/50	Used
		Description: Description of an item as required for rating and billing purposes				

Syntax Rules:

1. 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.

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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
200	G61	Contact	M	1		Must use
203		Loop 0370	O		25	Used

G61 Contact

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

User Option (Usage): Must use

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

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>
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)				
		<u>Code</u> <u>Name</u>				
		HM Hazardous Material Contact				
G6102	93	Name	M	AN	1/60	Used
		Description: Free-form name				
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)				
		<u>Code</u> <u>Name</u>				
		TE Telephone				
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 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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
203	LH1	Hazardous Identification Information	M	1		Must use

LH1 Hazardous Identification Information

Pos: 203	Max: 1
Detail - Mandatory	
Loop: 0370	Elements: 4

User Option (Usage): Must use

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

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>
LH101	355	Unit or Basis for Measurement Code	M	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

User Note 1: ZZ - Other

CodeList Summary (Total Codes: 794, Included: 26)

<u>Code</u>	<u>Name</u>
2W	Bin
BA	Bale
BC	Bucket
BD	Bundle
BG	Bag
BO	Bottle
BX	Box
CA	Case
CP	Crate
CT	Carton
DR	Drum
JR	Jar
PA	Pail
PC	Piece
PK	Package
PL	Pallet/Unit Load
RE	Reel
RL	Roll
S9	Slip Sheet
SJ	Sack
SV	Skid
TE	Tote
TY	Tray
YD	Yard
Z5	Lug
ZZ	Mutually Defined

LH102	80	Lading Quantity	M	N0	1/7	Used
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Description: Number of units (pieces) of the lading commodity

LH103	277	UN/NA Identification Code	O	ID	6/6	Used
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Description: Code identifying the hazardous material identification number as required by

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH105	22	Commodity Code	O	AN	1/30	Used

Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America

Description: Code describing a commodity or group of commodities

User Note 1:

Hazardous Materials Description

Comments:

1. LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
2. LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.
3. In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

L3 Total Weight and Charges

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 9

User Option (Usage): Used

Purpose: To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L301	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
L302	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight				
		CodeList Summary (Total Codes: 51, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		G	Gross Weight			
L303	60	Freight Rate	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
L304	122	Rate/Value Qualifier	X	ID	2/2	Used
		Description: Code qualifying how to extend charges or interpret value				
		CodeList Summary (Total Codes: 163, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		FR	Flat Rate			
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: L305 = Total Charges including all advances/accessorial charges.				
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, icing) expressed in the standard monetary denomination for the currency specified				
		User Note 1: L306 Total accessorial charges. Includes all charges other than freight.				
		<i>Examples: Fuel, Labor, Unloading, Detention, ETC.</i>				
L307	117	Prepaid Amount	O	N2	1/9	Used
		Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified				
		User Note 1: The amount in the L307 is the Total Fuel.				
L308	150	Special Charge or Allowance Code	O	ID	3/3	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 identifying type of special charge or allowance				
		CodeList Summary (Total Codes: 1073, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		405		Fuel Surcharge		
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.

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
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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				