ANSI ASC X12
BILL OF LADING (211)
VERSION 004010

YRC Freight Inc.
10990 Roe Avenue
Overland Park, KS 66211
www.yrcfreight.com

Dear YRC Freight Customer:

Thank you for your interest in trading electronic bills of lading with YRC Freight.   This is the 211 implementation guide you requested.   We look forward to working with you to implement the EDI transaction set 211. If you have any questions about the 211 or any other EDI issues, please feel free to contact edihelp@yrcfreight.com.

Preface

Purpose and Scope

The purpose of this guide is to provide YRC Freight trading partners the necessary information to create and transmit Bills of Lading, using EDI, to YRC Freight. The material presented here covers the 211 transaction set of Version 004 Release 010 of the ANSI ASC X12 standard. This transaction set can be used to allow shippers or other parties responsible for contracting with a motor carrier to provide a legal Bill of Lading for a shipment. It is not to be used to provide a motor carrier data relative to a load tender, pick-up manifest or appointment scheduling. Contact YRC Freight for information on the other standards and versions supported.

American National Standards Institute Accredited Standards Committee X12

YRC Freight uses ANSI ASC X12 standard-format transaction sets to exchange electronic documents with its EDI trading partners.

YRC Freight is a leader in the use of EDI in the transportation industry and firmly supports the use of ANSI ASC X12 standards in EDI trading partner relationships. The use of such standards cultivates a common language between trading partners and expedites EDI setup. A well-developed EDI system provides numerous possibilities for expanding the business relationship.

TABLE OF CONTENTS

Reference Material

ASCX12 Publications

Electronic Data Interchange X12 Standards reflecting Version 004 Release 010 (004010), dated December 1997. This publication is available from DISA, 1800 Diagonal Road, Suite 200, Alexandria, VA 22314, (703) 548-7005, www.disa.org.

ATA Publications

American Trucking Association's Motor Carrier Industry Guide to Electronic Data Interchange Implementation and Conventions, reflecting Version 004 Release 010 (004010), dated July 1996. This publication is available from the American Trucking Association's Information Technology Council, 2200 Mill Road, Alexandria, VA 22314, (703) 838-1721.

Bill of Lading (211) Data Requirements

- The 211 must be used as a bill of lading with complete shipment information. The 211 is NOT to be used as a load tender to notify YRC Freight a shipment is available.
- YRC Freight prefers ALL bills of lading shipped with YRC Freight to be transmitted electronically. Because of system constraints, we understand this is not always possible, and only shipments destined to certain consignees can be sent.
- The bill of lading <u>must</u> be transmitted within one hour of the YRC Freight trailer leaving the shipping dock. (It can be transmitted up to five days before if the shipment information is accurate).   This ensures the data will be available to the terminal when the freight arrives.
- YRC Freight only accepts an original bill of lading. Corrections and cancellations are handled manually at the terminals.
- YRC Freight traces and bills all shipments by PRO number. YRC Freight has a process called pre-PROs, which gives shippers the opportunity to store PRO numbers in their systems and assign them before transmitting. This gives a shipper control over the PRO number assigned to a bill of lading number, which makes tracing and billing control more efficient. Check with your local YRC Freight sales representative for a block of PRO numbers.
- It is mandatory that an electronic bill of lading provide YRC Freight an actual street address for shipper and consignee information. YRC Freight cannot pickup or deliver from/to a post office box.

The following details are mandatory in the electronic bill of lading:

- The YRC Freight SCAC - RDWY.
- Shipment Terms - Code identifying payment terms for transportation charges.
- Pickup Date - The pickup date is the date YRC Freight picks up the shipment.
- Bill of Lading Number - Customer's shipment identification number.
- YRC Freight's PRO Number - This field is preferred, but YRC Freight can assign if necessary.
- Transaction Set Purpose Code - Always a '00' for an original bill of lading .
- All Special Handling Requirements - Examples include notify contact before delivery, inside delivery required, lift gate required at destination, *etc.*
- Shipper Information - Shipper name, shipper identification code assigned by the shipper or provided by YRC Freight, shipper address (no P.O. boxes), shipper city, state and ZIP.
- Consignee Information - Consignee Name, consignee address (where YRC Freight will deliver the shipment), consignee city, state and ZIP, and consignee contact information for delivery appointments.
- Third-Party Information - Whenever a third party is paying the freight charges, the information for the third party must be supplied (name, address, city, state and ZIP).

The following information is required for each commodity (line item):

- Bill of Lading Line Item Number - This is a sequential number beginning with 1 to identify each line item provided.
- Lading Description - This is a text description of the commodity being shipped.
- Lading Quantity - Number of handling units for which the carrier is responsible (master handling units). If the master handling unit is pallets, then pallet information must be provided.
- Lading Package Form Code - The type of package being shipped (*e.g.,* CTN, PLT, SKD, *etc.*).
- Weight Qualifier - Identifies the weight of the commodity as net weight, tare weight, *etc.*
- Weight - The weight of the commodity being shipped.
- If the commodities are palletized, the carton information must also be provided (quantity and package form code).
- The NMFC Number (National Motor Freight Classification code) - This number can be obtained from your traffic department or from your local YRC Freight Sales representative.
- Purchase Order information - The PO number, PO department, total carton count for the PO on this shipment and the total weight for the PO on this shipment.
- Hazardous Information for all hazardous commodities - The UN/NA identification code, hazardous-material shipping name and hazardous-material technical name.

Electronic Data Interchange (EDI)

Communications

YRC Freight Inc. has developed a communication network that gives our trading partners the ability to transmit EDI transactions directly to YRC Freight. This method is preferred by YRC Freight.

If your communications do not support bisynchronous communications, then a third party Value-Added Network must be used.

The Structure of an Electronic Transmission

An EDI transmission consists of one or more "envelopes," which identify the sender and receiver of a transaction set. ISA and IEA segments mark the beginning and the end of an envelope, respectively. In the envelope, the transactions sets are organized into one or more functional groups bounded by a GS and a GE segment. Figure 1 illustrates the format of an EDI transmission.

	Communication Protocol
ISA	Interchange Header
GS	Group Header
ST	Tran Header
	Tran Detail
SE	Tran Trailer
GE	Group trailer
GS	Group Header
ST	Tran Header
	Tran Detail
SE	Tran Trailer
GE	Group Trailer
IEA	Interchange Trailer
	Communication Protocol

Figure 1: Transmission Structure
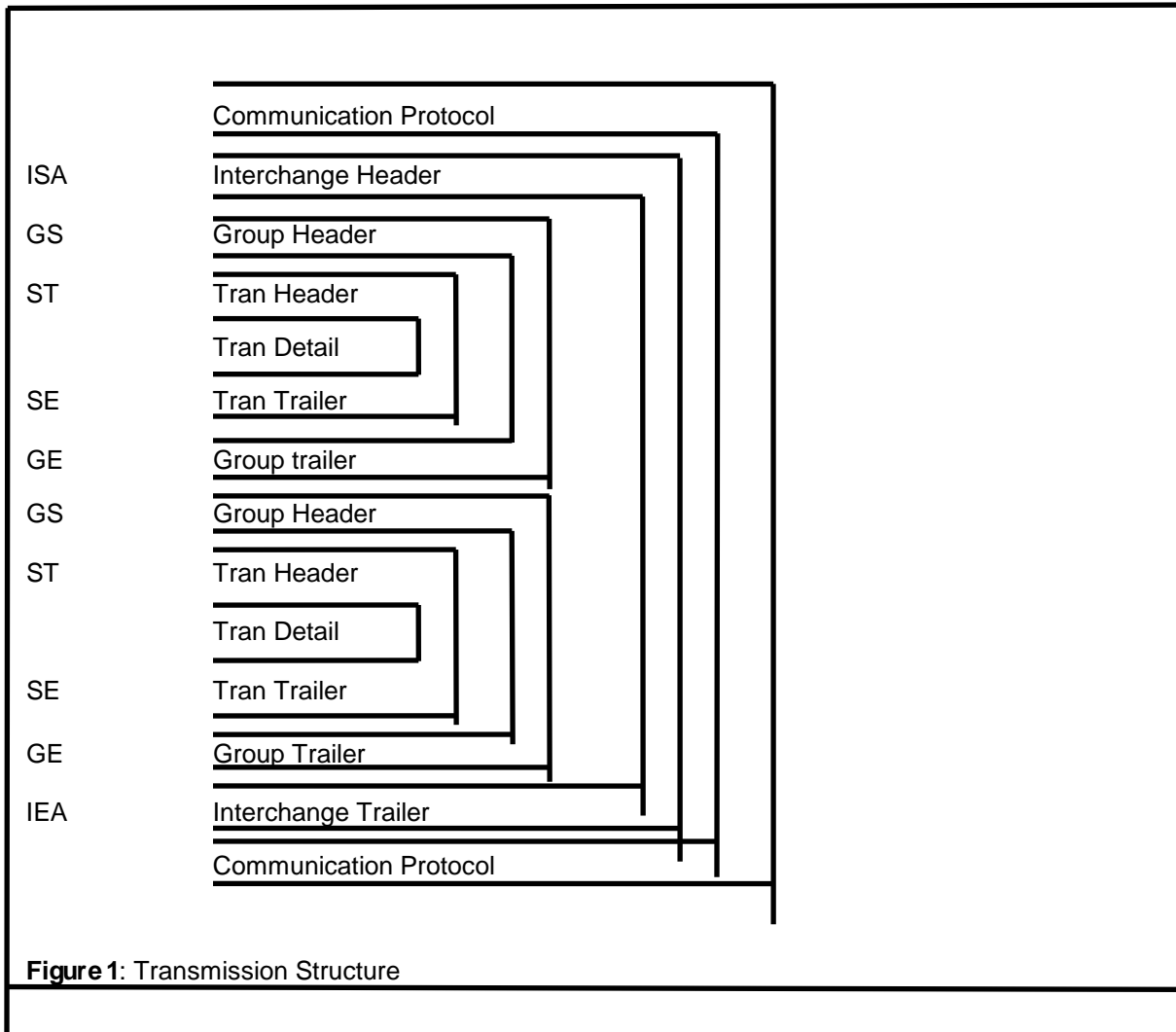
Transaction Structure

EDI transaction sets consist of a group of segments (records) arranged in a specific order. Most transactions have header-level segments and detail-level segments. There can also be repeated sets of segments referred to as loops. Each segment begins with a segment identifier and ends with a segment terminator. The segment terminator is a special character agreed on by sender and receiver to define the end of a segment. The most commonly used segment terminator is the hexadecimal '15'. Data elements (fields) in a segment are delimited by an element separator. The element separator is a special character agreed on by sender and receiver. The most commonly used element separator is an asterisk (*), a hexadecimal '5C'.

ST	Transaction Header
	Header Segments
	Detail Segments
	Summary Segments
SE	Transaction trailer

Figure 2: Transaction Structure
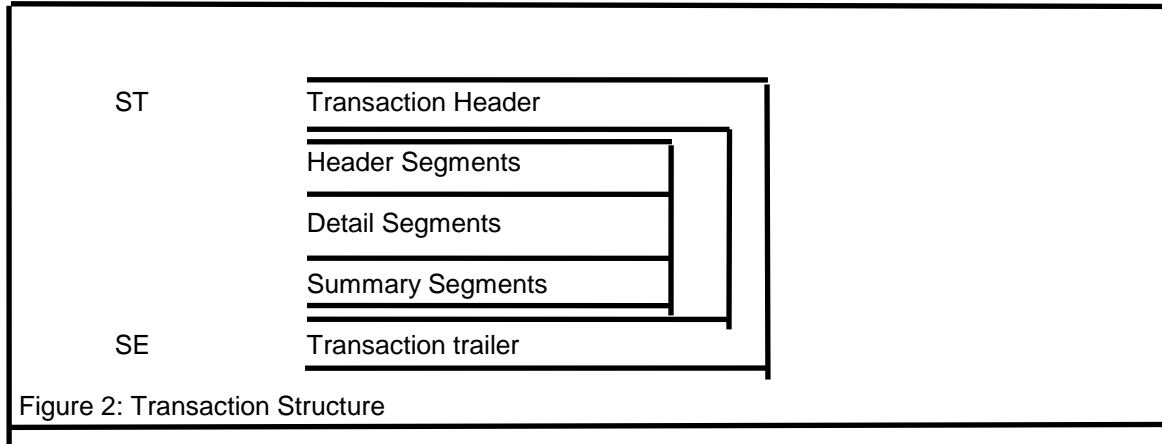
Notation Conventions

Segment Requirements

• (M) MANDATORY: The segment must be transmitted.

• (O) OPTIONAL: The segment may be transmitted if so desired.

Element Requirements

• (M) MANDATORY: The data element must be transmitted.

• (O) OPTIONAL: The data element may be transmitted if so desired.

• (X) RELATIONAL: The data element's existence or absence is related to the existence or absence of another data element. The relationship is explained by a note after the segment definition. There could also be an alphabetic code to explain the relational condition.

• (C) CONDITIONAL: The data element must be transmitted under certain conditions.

• (P) PAIRED or MULTIPLE: If any element is transmitted, then all must be transmitted.

• (R) REQUIRED: At least one of the data elements specified must be transmitted.

• (E) EXCLUSION: Not more than one of the data elements specified can be transmitted.

• (L) LIST CONDITIONAL: If the first data element specified is transmitted, then at least one of the others must be transmitted. Any or all elements not specified as the first may be transmitted with the first data element.

• Each data element has a minimum and maximum length requirement.

• In a mandatory numeric data element, the minimum characters, as defined in the data dictionary, must be transmitted even if the value is zero.

Data Types

• AN: Alphanumeric data elements containing the numerals 0–9, the characters A–Z and any special characters except asterisk (*), the greater-than sign (>) and characters with a hexadecimal value of '40' or less. These characters are control characters and should not be used for data. The contents are left-justified. Trailing spaces should be suppressed unless necessary to satisfy a minimum length requirement.

• R: (Real) numeric data containing the numerals 0–9 and a decimal point in the proper position. The decimal point is optional for integer values but required for fractional values. A leading + or - sign may be used. The minus sign must be used for negative values.

• Nn: Numeric data containing the numerals 0–9, and an implied decimal point. The 'N' indicates that the element contains a numeric value and the 'n' indicates the number of decimal places to the right of the implied decimal point. The actual decimal point is not transmitted. A leading + or - sign may be used. The minus sign must be used for negative values. Leading zeroes should be suppressed unless they are necessary to satisfy a minimum number of digits required by the data-element specification. For a data element defined as N4 with a minimum length of 4, the value 0.0001 would be transmitted as '0001'. For an N4 data element with the minimum length of 1, the value 0.0001 would be transmitted '1'.

• ID: A data element identifier from a pre-defined list of values maintained by ASC X12.

• DT: Numeric date in the form CCYYMMDD.
• TM: Numeric time in the form HHMM. Time is represented in 24-hour-clock format.

Data Element Reference Number

The Data Element Reference Number is a unique identifier used to help find data element definitions in the applicable standards manual.

Transaction Set 211 Motor Carrier Bill of Lading

This transaction set can be used to allow shippers or other parties responsible for contracting with a motor carrier to provide a legal bill of lading for a shipment. It is not to be used to provide a motor carrier data relative to a load tender, pickup manifest or appointment scheduling.

Header Segments

Seg ID	Description	Req.	Max Use	Loop ID	Max Loops
ST	Transaction Set Header	M	1		
BOL	Beginning Segment	M	1		
B2A	Set Purpose	M	1		
MS3	Interline Information	O	12		
MS2	Equipment or Container Owner and Type	O	1		
L11	Business Instructions and Reference Number	O	100		
G62	Date/Time	O	6		
AT5	Bill of Lading Handling Requirements	O	50		
K1	Remarks	O	10		
N1	Name	M	1	0100	10
N2	Additional Name Info	O	1	0100	
N3	Address Information	M	2	0100	
N4	Geographic Location	M	1	0100	
G61	Contact	O	3	0100	

Detail Segments

Seg ID	Description	Req.	Max Use	Loop ID	Max Loops
AT1	Bill of Lading Line Item Number	M	1	0200	9999
L11	Business Instructions & Reference Number	O	100	0200	
AT3	Bill of Lading Rates and Charges	O	1	0200	
AT4	Bill of Lading Description	M	99	0200	
AT2	Bill of Lading Line Item Detail	M	1	0210	1
MAN	Marks and Numbers	O	999999	0210	
SPO	Shipment Purchase Order Detail	M	999999	0210	
LX	Assigned Number	O	1	0220	999999
MAN	Marks and Numbers	O	999999	0220	
SPO	Shipment Purchase Order Detail	O	999999	0220	
G61	Contact	O	1	0230	2
L11	Business Instructions & Reference Number	O	5	0230	
LH6	Hazardous Certification	O	6	0230	
LH1	Hazardous Identification Information	O	1	0231	25
LH2	Hazardous Classification Information	O	4	0231	
LH3	Hazardous Material Shipping Name	O	10	0231	
LFH	Free-Form Hazardous Material Information	O	20	0231	
LEP	EPA-Required Data	O	3	0231	
LH4	Canadian Dangerous Requirements	O	1	0231	
LHT	Transborder Hazardous Requirements	O	3	0231	
L11	Business Instructions & Reference Number	O	5	0231	
SE	Transaction Set Trailer	M	1		

211 Business Examples Version 004010

Definitions:

The following examples use an excerpt of an actual printed copy of a Bill of Lading. The columns are defined as follows:

H/U Count - Represents the number of Handling Units the carrier handles, *e.g.,* if the shipment has two pallets containing 20 cartons, the number of handling units is two (pallet count)

H/U Type - Type of package the carrier is handling, *e.g.,* Pallets, Skids, Slip Sheets, Cartons, Pieces...*etc.*

Unit Count - This column will be used only when the Handling unit type is pallet, skid or slip sheets. This column represents the number of pieces contained on the pallet, skid or slip sheet.

Unit Type - Package form code for the units contained on the H/U Type. *e.g.,* Pieces, cartons, *etc.*

Description - Text description of the commodity being shipped.

NMFC Number - National Motor Freight Classification Code - The National Motor Freight Tariff Association assigns this number. It is unique for each commodity.

Weight - Total weight for the line item.

Assumptions:

Commodity 1 weighs 42 pounds
Commodity 2 weighs 24 pounds
Commodity 3 weighs 42 pounds
      1 pallet   weighs 40 pounds

Example 1 Freight Not Palletized

H/U Count	H/U Type	Unit Count	Unit Type	Description of Article	NMFC Number	Weight
5	CTN			Commodity 1	999999-01	210
PO Number	**Dept**	**CTN Count**	**Weight**			
123	1144	2	84			
456	1144	3	126			

Carton Id's contained on the shipping label
000008580501130931OO
00000858050113093101
00000858050113093102
00000858050113093103
00000858050113093104

This is the simplest of all the examples. This shipment has five cartons of commodity 1, weighing 210 pounds, and is identified by NMFC number 999999-01. The shipment contains two purchase orders, 123 and 456. PO 123, going to department 1144, contains two cartons and weighs 84 pounds. PO 456, also going to department 1144, has three cartons and weighs 126 pounds. The bar codes listed correspond to the five cartons on the shipment. Notice that there is no unit count or type because the handling unit was not a pallet, skid or slip sheet.

Example 1 cont'd

Freight Not Palletized

ST*211*000010001 N/L
BOL*RDWY*PP*12345*19970501**1231234561 N/L
B2A*00 N/L
MS2*RDWY*123456 N/L
N1*SH*SHIPPER NAME*93*123456789 N/L
N3*9999 SHIPPER STREET*ADDITIONAL ADDRESS LINE N/L
N4*SHIPPER CITY*ST*00000 N/L
N1*CN*CONSIGNEE NAME N/L
N3*9999 CONSIGNEE STREET*ADDITIONAL ADDRESS LINE N/L
N4*CONSIGNEE CITY*ST*99999 N/L
G61*DC*DELIVERY CONTACT NAME*TE*(888)999-9999 N/L
AT1*1 N/L
L11*999*AE N/L
AT4*COMMODITY 1 N/L
AT2*5*CTN*N*L*210****999999-01 N/L
MAN*GM*00000858050113093100 N/L
MAN*GM*00000858050113093101 N/L
MAN*GM*00000858050113093102 N/L
MAN*GM*00000858050113093103 N/L
MAN*GM*00000858050113093104 N/L
SPO*123*1144*CT*2*L*84 N/L
SPO*456*1144*CT*3*L*126 N/L
SE*23*000010001 N/L

This example shows how freight not palletized would be mapped in an EDI 211 document. Loops 0200 and 0210 are used to define the line items. In this example, there is only one commodity. Therefore, there is only one occurrence of each loop. The MAN and SPO segments are used in loop 0210 because they are directly associated with the commodity described in the AT1*1.

Loop 0220 is used only when the marks and numbers or the purchase order information cannot be directly associated with the line item, for example, when multiple commodities (line items) are used to fill one purchase order. An example of this will be given later in the mixed commodities example. The marks and numbers normally associate with only one line item, therefore, they will be placed in the 0210 loop along with the rest of the commodity information.

Example 2 Freight Palletized With One Commodity

H/U Count	H/U Type	Unit Count	Unit Type	Description of Article	NMFC Number	Weight
2	PLT	5	CTN	Commodity 1	999999-01	210
PO Number	**Dept**	**CTN Count**	**Weight**			
123	1144	2	84			
456	1144	3	126			

Carton Id's contained on the shipping label
00100858050113093200
00100858050113093201

This shipment contains one commodity that has been palletized. Therefore, when the Bill of Lading is printed, it will show two handling units (pallets), which is what the carrier picks up and is responsible for. On those two pallets are five cartons of commodity 1, NMFC number 999999-01, for a total weight of 210 pounds. One commodity is split between purchase order number 123, which contains two cartons going to department 1144, weighing 84 pounds. The second purchase order, 456, also going to department 1144, contains three cartons, weighing 126 pounds. The two bar codes given are for the pallets denoted by a one in the third position of the carton label.

Example 2, cont'd.

Freight Palletized With One Commodity

ST*211*000010001 N/L
BOL*RDWY*PP*12345*19970501**1231234561 N/L
B2A*00 N/L
MS2*RDWY*123456 N/L
N1*SH*SHIPPER NAME*93*123456789 N/L
N3*9999 SHIPPER STREET*ADDITIONAL ADDRESS LINE N/L
N4*SHIPPER CITY*ST*00000 N/L
N1*CN*CONSIGNEE NAME N/L
N3*9999 CONSIGNEE STREET*ADDITIONAL ADDRESS LINE N/L
N4*CONSIGNEE CITY*ST*99999 N/L
G61*DC*DELIVERY CONTACT NAME*TE*(888)999-9999 N/L
AT1*1 N/L
L11*999*AE N/L
AT4*COMMODITY 1 N/L
AT2*2*PLT*N*L*210*5*CTN**999999-01 N/L
MAN*GM*00100858050113093200 N/L
MAN*GM*00100858050113093201 N/L
SPO*123*1144*CT*2*L*84 N/L
SPO*456*1144*CT*3*L*126 N/L
SE*20*000010001 N/L

This example shows how a shipment with one commodity palletized would be mapped in an EDI 211 document. Loops 0200 and 0210 are used to define the line items. In this example, there is one commodity. Therefore, there is only one occurrence of each loop. The AT2 segment contains the pallet information in the AT201 and AT202 and the unit information in the AT206 and AT207. The MAN and SPO segments are used in loop 0210 because they are directly associated with the commodity described in the AT1*1.

Loop 0220 is used only when the marks and numbers or the purchase order information cannot be directly associated with the line item, for example, when multiple commodities (line items) are used to fill one purchase order. An example of this will be given later in the mixed commodities example. The marks and numbers normally associate with only one line item, therefore, they will be placed in the 0210 loop along with the rest of the commodity information. The marks and numbers are an intricate part of a carrier's sorting system and for retailers, so the shipments can be sorted and segregated per their requests. Automated sorting systems require the marks and numbers be sent on the 211 transaction set.

Example 3 Freight Palletized With Mixed Commodities

H/U Count	H/U Type	Unit Count	Unit Type	Description of Article	NMFC Number	Weight
2	PLT	15	CTN	Misc Pallets		530
				Commodity 1	999999-01	210
				Commodity 2	999998-01	240
				Tare Weight	999999-01	80
PO Number	Dept	CTN Count	Weight			
123	1144	10	294			
456	1144	5	156			

Carton Id's contained on the shipping label
00000858050113093301
00000858050113093302
00000858050113093303
00000858050113093304
00000858050113093305
00000858050113093306
00000858050113093307
00000858050113093308
00000858050113093309
00000858050113093310
00000858050113093311
00000858050113093312
00000858050113093313
00000858050113093314
00000858050113093315

In this example, we have two pallets for a total shipment weight of 530 pounds, which includes the weight of the commodities and the actual pallet weight. The commodities can be split on the two pallets, or each pallet could contain a different commodity. This shipment makes up two purchase orders, 123 and 456. On purchase order 123, we have three cartons of commodity 1 and seven cartons of commodity 2, all going to department 1144. The total PO weight is 294 pounds. PO 456 has two cartons of commodity 1 and three cartons of commodity 2, also going to department 1144, for a total PO weight of 156 pounds. The bar codes listed on this shipment are for the fifteen individual cartons.

Example 3, cont'd.
Freight Palletized With Mixed Commodities

ST*211*000010001 N/L
BOL*RDWY*PP*12345*19970501**1231234561 N/L
B2A*00 N/L
MS2*RDWY*123456 N/L
N1*SH*SHIPPER NAME*93*123456789 N/L
N3*9999 SHIPPER STREET*ADDITIONAL ADDRESS LINE N/L
N4*SHIPPER CITY*ST*00000 N/L
N1*CN*CONSIGNEE NAME N/L
N3*9999 CONSIGNEE STREET*ADDITIONAL ADDRESS LINE N/L
N4*CONSIGNEE CITY*ST*99999 N/L
G61*DC*DELIVERY CONTACT NAME*TE*(888)999-9999 N/L
AT1*1 N/L
L11*123*AE N/L
AT4*MISC PALLETS N/L
AT2*2*PLT*N*L*530 *15*CTN N/L
MAN*GM*00000858050113093301 N/L
MAN*GM*00000858050113093302 N/L
MAN*GM*00000858050113093303 N/L
MAN*GM*00000858050113093304 N/L
MAN*GM*00000858050113093305 N/L
MAN*GM*00000858050113093306 N/L
MAN*GM*00000858050113093307 N/L
MAN*GM*00000858050113093308 N/L
MAN*GM*00000858050113093309 N/L
MAN*GM*00000858050113093310 N/L
MAN*GM*00000858050113093311 N/L
MAN*GM*00000858050113093312 N/L
MAN*GM*00000858050113093313 N/L
MAN*GM*00000858050113093314 N/L
MAN*GM*00000858050113093315 N/L
AT1*2 N/L
AT4*COMMODITY 1 N/L
AT2*0*PLT*N*L*210****999999-01 N/L
AT1*3 N/L
AT4*COMMODITY 2 N/L
AT2*0*PLT*N*L*240****999998-01 N/L
AT1*4 N/L
AT4*TARE WEIGHT N/L
AT2*0*PLT*N*L*80****999999-01 N/L
AT1*5
LX*1
SPO*123*1144*CT*10*L*294 N/L
SPO*456*1144*CT*5*L*156 N/L
SE*44*000010001 N/L

Example 3, cont'd.

Freight Palletized With Mixed Commodities

This example shows how a shipment with mixed commodities palletized would be mapped in an EDI 211 document. The first line item, loop 0200, is used to report on pallet information. The literal "MISC PALLETS" is used to indicate this shipment contains mixed commodities on a single pallet or multiple pallets. In this loop, the number of pallets, the number of pieces, the total weight of the shipment and the 15 associated carton labels are given.

The second line-item loop contains the commodity description, commodity 1, in the AT4 segment, and the commodity details, weight and a unique NMFC number in the AT2 segment.

The third line-item loop contains commodity information for commodity 2, the weight and the NMFC number.

The fourth line item identifies the actual pallet weight. The literal "tare weight" is used to indicate this line item is to identify the tare weight. The NMFC is assigned based on the lowest-rated commodity.

The final line-item loop identifies the purchase-order information. Because the purchase order is not directly associated with one particular line item, the purchase order information must be in its own separate loop, loop 0220. To clarify, purchase order 123 contains two units of commodity 1 and five units of commodity 2 and therefore cannot be associated with one particular line item and must be in its own loop. Purchase order 456 also contains both commodities and is included in this loop for the same reasons.

Example 4 Freight Palletized With Mixed Commodities and Loose Cartons

H/U Count	H/U Type	Unit Count	Unit Type	Description of Article	NMFC Number	Weight
2	PLT	15	CTN	Misc Pallets		450
				Commodity 1	999999-01	210
				Commodity 2	999998-01	240
2	CTN			Commodity 3	999997-01	84
PO Number	Dept	CTN Count	Weight			
123	1144	10	294			
456	1144	7	240			

Carton Id's contained on the shipping label
00100858050113093401
00100858050113093402
00000858050113093301
00000858050113093302
00000858050113093303
00000858050113093304
00000858050113093305
00000858050113093306
00000858050113093307
00000858050113093308
00000858050113093309
00000858050113093310
00000858050113093311
00000858050113093312
00000858050113093313
00000858050113093314
00000858050113093315
00000858050113093316
00000858050113093317

In this example, we have two pallets for a total weight of 450 pounds, and two loose cartons that are not palletized for a total weight of 84 pounds. The palletized commodities can be split on two pallets, or one pallet might contain one commodity and the other pallet contains the second commodity. The shipment makes up two purchase orders, 123 and 456. On purchase order 123, we have three cartons of commodity 1 and seven cartons of commodity 2, all going to department 1144. The total PO weight is 294 pounds. PO 456 has two cartons of commodity 1, three cartons of commodity 2 and two cartons of commodity 3, also going to department 1144, for a total PO weight of 240 pounds.   The bar codes listed on this shipment are for the 17 individual cartons and the two pallets.

Example 4, cont'd.

Palletized With Mixed Commodities
and Loose Cartons

ST*211*000010001 N/L
BOL*RDWY*PP*12345*19970501**1231234561 N/L
B2A*00 N/L
MS2*RDWY*123456 N/L
N1*SH*SHIPPER NAME*93*123456789 N/L
N3*9999 SHIPPER STREET*ADDITIONAL ADDRESS LINE N/L
N4*SHIPPER CITY*ST*00000 N/L
N1*CN*CONSIGNEE NAME N/L
N3*9999 CONSIGNEE STREET*ADDITIONAL ADDRESS LINE N/L
N4*CONSIGNEE CITY*ST*99999 N/L
G61*DC*DELIVERY CONTACT NAME*TE*(888)999-9999 N/L
AT1*1 N/L
AT4*MISC PALLETS N/L
AT2*2*PLT*N*L*450*15*CTN N/L
MAN*GM*00100858050113093401 N/L
MAN*GM*00100858050113093402 N/L
MAN*GM*00000858050113093301 N/L
MAN*GM*00000858050113093302 N/L
MAN*GM*00000858050113093303 N/L
MAN*GM*00000858050113093304 N/L
MAN*GM*00000858050113093305 N/L
MAN*GM*00000858050113093306 N/L
MAN*GM*00000858050113093307 N/L
MAN*GM*00000858050113093308 N/L
MAN*GM*00000858050113093309 N/L
MAN*GM*00000858050113093310 N/L
MAN*GM*00000858050113093311 N/L
MAN*GM*00000858050113093312 N/L
MAN*GM*00000858050113093313 N/L
MAN*GM*00000858050113093314 N/L
MAN*GM*00000858050113093315 N/L
AT1*2 N/L
AT4*COMMODITY 1 N/L
AT2*0*PLT*N*L*210****999999-01 N/L
AT1*3 N/L
AT4*COMMODITY 2 N/L
AT2*0*PLT*N*L*240****999998-01 N/L
AT1*4 N/L
AT4*COMMODITY 3 N/L
AT2*2*CTN*N*L*84****999997-01 N/L
MAN*GM*00000858050113093316 N/L
MAN*GM*00000858050113093317 N/L
AT1*5
LX*1
SPO*123*1144*CT*10*L*294 N/L
SPO*456*1144*CT*7*L*240 N/L
SE*47*000000001 N/L

Example 4, cont'd.

Palletized With Mixed Commodities
and Loose Cartons

This example shows how a shipment with mixed commodities palletized and two loose cartons would be mapped in an EDI 211 document. The first line-item loop, 0200, is used to report on pallet information. The literal "MISC PALLETS" is used to indicate this shipment contains mixed commodities on a single pallet or multiple pallets. In this loop, the number of pallets, the total weight of the pallet, the piece count, the package form code for the pieces and the pallet label information are provided. Note that the third digit of the label is a "1," indicating a pallet label versus a carton label.

The subsequent line item loops are used to report the commodity information.

The second line-item loop contains the commodity description, commodity 1, in the AT4 segment and the commodity details, weight and a unique NMFC number in the AT2 segment.

The third line-item loop contains commodity 2 information, the weight and the NMFC number.

The fourth line item contains the information about the loose cartons. The AT201 and the AT202 are used to report the handling units the carrier is responsible for. In the previous line items, the AT201 and AT202 were zero because the actual handling unit is the pallet, which was given in the first line item. By using the AT201 and AT202 it is recognized that we no longer have a master handling unit such as pallet, skid or slip sheet.

The final line-item loop identifies the purchase order information. Because the purchase order is not directly associated with one particular line item, the purchase order information must be in its own separate loop, loop 0220. To clarify, purchase order 123 contained two units of commodity 1 and five units of commodity 2 and, therefore, cannot be associated with one particular line and must be in its own loop. Purchase order 456 contains two units of commodity 1, three units of commodity 2 and two units of commodity 3.

Example 5 Freight Palletized With Cartons Containing Mixed Commodities and Loose Cartons Containing Mixed Commodities That Are Not Palletized

H/U Count	H/U Type	Unit Count	Unit Type	Description of Article	NMFC Number	Weight
2	PLT	10	CTN	Misc Pallets		446
				Commodity 1	999999-01	210
				Commodity 2	999998-01	72
				Commodity 3	999997-01	84
				Tare Weight	999998-01	80
1	CTN			Misc Pieces		66
				Commodity 1	999999-01	42
				Commodity 2	999998-01	24
PO Number	**Dept**	**CTN Count**	**Weight**			
123	1144	10	366			
456	1144	1	66			

Carton Id's contained on the shipping label
00100858050113093401
00100858050113093402
00000858050113093301
00000858050113093302
00000858050113093303
00000858050113093304
00000858050113093305
00000858050113093306
00000858050113093307
00000858050113093308
00000858050113093309
00000858050113093310
00000858050113093311

In this example, we have two pallets, which contain 10 cartons. In those 10 cartons, each carton contains mixed commodities. The total weight of the two pallets is 446 pounds of which 80 pounds is the pallet weight. For reporting purposes, it is not important to give the unit count for each of the commodities; however, it is important the total weight of each commodity is given. In this example, you will see that in the 10 cartons, we have 210 pounds of commodity 1, 72 pounds of commodity 2 and 84 pounds of commodity 3.

The one loose carton that is not palletized contains mixed commodities and weighs 66 pounds. The carton consists of 42 pounds of commodity 1 and 24 pounds of commodity 2.

The shipment makes up two purchase orders, 123 and 456. On purchase order 123, we have 10 cartons, for a total weight of 366 pounds (the weight of the pallets is not included in the PO weight). PO 456 has one carton going to department 1144 for a total PO weight of 66 pounds. The bar codes listed on this shipment are for 11 individual cartons and two pallets. The bar codes with a 1 in the third position indicate a pallet.

Example 5, cont'd.

Freight Palletized With Cartons Containing Mixed Commodities and Loose Cartons Containing Mixed Commodities That Are Not Palletized

ST*211*000010001 N/L
BOL*RDWY*PP*12345*19970501**1231234561 N/L
B2A*00 N/L
MS2*RDWY*123456 N/L
N1*SH*SHIPPER NAME*93*123456789 N/L
N3*9999 SHIPPER STREET*ADDITIONAL ADDRESS LINE N/L
N4*SHIPPER CITY*ST*00000 N/L
N1*CN*CONSIGNEE NAME N/L
N3*9999 CONSIGNEE STREET*ADDITIONAL ADDRESS LINE N/L
N4*CONSIGNEE CITY*ST*99999 N/L
G61*DC*DELIVERY CONTACT NAME*TE*(888)999-9999 N/L
AT1*1 N/L
AT4*MISC PALLETS N/L
AT2*2*PLT*N*L*446*10*CTN N/L
MAN*GM*00100858050113093401 N/L
MAN*GM*00100858050113093402 N/L
MAN*GM*00000858050113093301 N/L
MAN*GM*00000858050113093302 N/L
MAN*GM*00000858050113093303 N/L
MAN*GM*00000858050113093304 N/L
MAN*GM*00000858050113093305 N/L
MAN*GM*00000858050113093306 N/L
MAN*GM*00000858050113093307 N/L
MAN*GM*00000858050113093308 N/L
MAN*GM*00000858050113093309 N/L
MAN*GM*00000858050113093310 N/L
MAN*GM*00000858050113093311 N/L
AT1*2 N/L
AT4*COMMODITY 1 N/L
AT2*0*PLT*N*L*210****999999-01 N/L
AT1*3 N/L
AT4*COMMODITY 2 N/L
AT2*0*PLT*N*L*72****999998-01 N/L
AT1*4 N/L
AT4*COMMODITY 3 N/L
AT2*0*PLT*N*L*84****999997-01 N/L
AT1*5 N/L
AT4*TARE WEIGHT N/L
AT2*0*PLT*N*L*80*0*PLT N/L
AT1*6 N/L
AT4*MISC PIECES N/L
AT2*1*CTN*N*L*66 N/L
AT1*7 N/L
AT4*COMMODITY 1 N/L
AT2*0*CTN*N*L*42****999999-01 N/L
AT1*8 N/L
AT4*COMMODITY 2 N/L
AT2*0*CTN*N*L*24****999998-01 N/L
AT1*9
LX*1
SPO*123*1144*CT*10*L*386 N/L
SPO*456*1144*CT*1*L*66 N/L
SE*53*000000001 N/L

Example 5, cont'd.

Freight Palletized With Cartons Containing Mixed Commodities and Loose Cartons Containing Mixed Commodities That Are Not Palletized

This example shows how a shipment with mixed cartons palletized and one loose carton with mixed commodities would be mapped in an EDI 211 document. The first line-item loop, 0200, is used to report pallet information. The literal "MISC PALLETS" is used to indicate this shipment contains mixed commodities on a pallet or multiple pallets. In this loop, the number of pallets is provided in the AT201, the total weight of the pallet(s) in the AT205, and the total carton count on the pallet in the AT206. The only time the AT201 and AT206 are used together with a description of "MISC PALLETS" in the AT401 is when there are mixed commodities on a pallet. The pallet label information is provided. Notice that the third digit of the label is a "1," indicating a pallet label versus a carton label.

The subsequent line-item loops are used to report commodity information.

The second line-item loop contains the commodity description in the AT401. The AT201 is zero because the standards require the field be populated. The AT205 contains the weight of the line item. The AT206 is blank because the unit count for each commodity is not required. It is only required to send the weight and the NMFC, which are in the AT205 and the AT209 elements, respectively. In this example, the second line-item loop contains 210 pounds of commodity 1 and is recognized by NMFC number 999999-01.

The third and fourth line-item loops contain the commodity weight and NMFC number for commodity 2 and commodity 3. Again, the quantity is not given in the AT206 because this is not an actual handling unit.

The fifth line-item loop gives information on the pallets. The pallet weight is 40 pounds per pallet.

The sixth line item contains the information about the loose carton. The literal "MISC PIECES" is used to indicate this carton contains mixed commodities. The AT201 and the AT202 are used to report the handling units the carrier is responsible for. In the previous line items, the AT201 was zero and AT202 was PLT because the actual handling unit the carrier was responsible for was the pallet, which was given in the first line item.

The seventh and eighth line item loops contain commodity weight and NMFC number for commodity 1 and commodity 2. Again the quantity is not given in the AT206 because this is not an actual handling unit.

The final line item loop identifies the purchase order information. Because the purchase order is not directly associated with one particular line item, the purchase order information must be in its own separate loop, loop 0220. To clarify, purchase order 123 contained 10 cartons composed of commodity 1, commodity 2 and commodity 3 and, therefore, cannot be associated with any one particular line and must be in its own loop. Purchase order 456 contains one carton with commodity 1 and commodity 2.

Example 6 Hazardous Material Loop 0230 and 0231

G61*HM*HAZARDOUS CONTACT*TE*999-999-9999 N/L   Hazardous material contact

LH1*DR*1*UN9999 N/L   If the LH1 segment exists the shipment is marked hazardous

LH3*HAZARDOUS SHIPPING NAME*D N/L   Hazardous material description

LFH*TEC*HAZARDOUS TECHNICAL NAME N/L   Hazardous technical name

The following business example is a hazardous shipment with five cartons of commodity 1.   Loop 0230 and 0231 are used to define the hazardous information.

```
ST*211*000010001 N/L
BOL*RDWY*PP*12345*970501**1231234561 N/L
B2A*00 N/L
MS2*RDWY*123456 N/L
N1*SH*SHIPPER NAME*93*123456789 N/L
N3*9999 SHIPPER STREET*ADDITIONAL ADDRESS LINE N/L
N4*SHIPPER CITY*ST*00000 N/L
N1*CN*CONSIGNEE NAME N/L
N3*9999 CONSIGNEE STREET*ADDITIONAL ADDRESS LINE N/L
N4*CONSIGNEE CITY*ST*99999 N/L
G61*DC*DELIVERY CONTACT NAME*TE*(888)999-9999 N/L
AT1*1 N/L
L11*999*AE N/L
AT4*COMMODITY 1 N/L
AT2*5*CTN*N*L*210****999999-01  N/L
MAN*GM*00000858050113093100 N/L
MAN*GM*00000858050113093101 N/L
MAN*GM*00000858050113093102 N/L
MAN*GM*00000858050113093103 N/L
MAN*GM*00000858050113093104 N/L
SPO*123*1144*CT*2*L*84 N/L
SPO*456*1144*CT*3*L*126 N/L
G61*HM*HAZARDOUS CONTACT*TE*999-999-9999 N/L
LH1*DR*1*UN9999 N/L
LH3*HAZARDOUS SHIPPING NAME*D N/L
LFH*TEC*HAZARDOUS TECHNICAL NAME N/L
SE*27*000010001 N/L
```

Segment Definitions

ISA Interchange Control Header

Level: Control Segment
Loop: _____
Usage: Mandatory
Max Use: One
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Semantic:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	I01	Authorization Information Qualifier Code to identify the type of information in the Authorization Info 00 - No Authorization information present	M	ID	2/2
02	I02	Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange. This field should be spaces	M	AN	10/10
03	I03	Security Information Qualifier Code to identify the type of information in the Security information 00 - No Security Information	M	ID	2/2
04	I04	Security Information This is used for identifying the security information about the interchange sender or the data in the interchange. This field should be spaces	M	AN	10/10
05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. 01 - Duns Number 12 - Telephone Number ZZ - Mutually Defined	M	ID	2/2
06	I06	Interchange Sender ID 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. Sender's unique ID code	M	AN	15/15
07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. 02 - SCAC	M	ID	2/2

08	I07	Interchange Receiver ID	M	AN	15/15
		Identification code published by the receiver of the data			
		RDWY - Test			
		RDWY - Production			
09	I08	Interchange Date	M	DT	6/6
		Creation date of the interchange. (YYMMDD)			
10	I09	Interchange Time	M	TM	4/4
		Creation time of the interchange. (HHMM)			
11	I10	Interchange Control Standards Identifier	M	ID	1/1
		Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer.			
		U - USA			
12	I11	Interchange Control Version Number	M	ID	5/5
		This version number covers the interchange control segments.			
		00200 - Standards issued as ANSI X12.5-1987			
		00300 - Standards issued as ANSI X12.5-1992			
		00400 - Standards issued as ANSI X12.5-1997			
13	I12	Interchange Control Number	M	N0	9/9
		A control number assigned by the interchange sender.			
		Must match IEA02			
14	I13	Acknowledgment Requested	M	ID	1/1
		Code sent by the sender to request an interchange acknowledgment (TA1)			
		0 - No TA1 requested			
15	I14	Test Indicator	M	ID	1/1
		Code to indicate whether data enclosed is test or production.			
		T - Test			
		P - Production			
16	I15	Component Element Separator	M		1/1
		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 in a composite data structure; this value must be different from the data element separator and the segment terminator.			

IEA Interchange Control Trailer

      Level: Control Segment
      Loop:
     Usage: Mandatory
  Max Use: One
   Purpose: To define the end of an interchange; used with the ISA segment.

<div align="center">Data Element Summary</div>

Ref. Des.	Data Element	Name	Attributes		
01	I16	Number of included Functional Groups.	M	N0	1/5
02	I12	Interchange Control Number	M	N0	9/9

GS Functional Group Header

Level:	Control Segment
Loop:	_____
Usage:	Mandatory
Max Use:	One
Purpose:	To indicate the beginning of a functional group and to provide control information

Semantic:	04	GS04 is the group date
	05	GS05 is the group time
	06	The date interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.
Comment:	00	A functional group of related transaction sets, in the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	479	Functional Identifier Code Code identifying a group of application-related transaction sets. Not used by YRC Freight	M	ID	2/2
02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners Duns Number	M	AN	2/15
03	124	Application Receiver's Code Code identifying party receiving transmission; Codes agreed to by both trading partners RDWY - Test and Production	M	AN	2/15
04	373	Date Date (YYYYMMDD)	M	DT	8/8
05	337	Time Time (HHMM)	M	TM	4/8
06	28	Group Control Number Assigned number originated and maintained by the sender.	M	N0	1/9
07	455	Responsible Agency Code Code used in conjunction with data element 480 to identify the issuer of the standard. X - Accredited Standards Committee X12	M	ID	1/2
08	480	Version / Release / Industry Identifier Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used. 003070 - ANSI X12 - Reviewed through October 1996	M	AN	1/12

GE Functional Group Trailer

Level:	Control Segment
Loop:	
Usage:	Mandatory
Max Use:	One
Purpose:	To indicate the end of a functional group and to provide control information

Semantic: 01 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header GS06.

Comment: 01 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.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	97	Number of Transaction Sets Included	M	NO	1/6
02	28	Group Control Number	M	NO	1/9

ST Starting Segment

Level: Header
Loop: _____
Usage: Mandatory
Max Use: One
Purpose: To indicate the start of a transaction set and to assign a control number

Semantic: 01 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition.

Comment: 00 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.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction set 211 - Motor Carrier Bill of Lading YRC Freight requires this element.	M	ID	3/3
02	329	Transaction Set Control Number Identifying control number that must be unique in the transaction set functional group assigned by the originator for a transaction set YRC Freight requires this element. This number is composed of the one-to-five-digit data interchange control number (five low-order digits from data element 28 from the associated functional header) subscripted with a four-digit serial number beginning with 0001, which indicates the transaction set's position in the transmitted functional group. The subscripted four-digit serial number is sequentially assigned by the sender and is incremented by one.	M	AN	4/9

BOL Beginning Segment for the Motor Carrier Bill of Lading

        Level: Header
        Loop: _____
       Usage: Mandatory
   Max Use: One
    Purpose: To transmit identifying numbers, dates, and other basic data related to the transaction set

   Semantic: 01   BOL01 is the Standard Carrier Alpha Code (SCAC) of the carrier that is to provide transportation services.
                02   BOL02 is the method of payment for the freight charges.
                03   BOL03 is the identification number assigned by the shipper, usually the bill of lading number.
                04   BOL04 is the date the carrier picked up the freight.
                05   BOL05 is the actual time the carrier picked up the freight.
                06   BOL06 is the number assigned by the carrier to the shipment, usually the PRO number.
                10   BOL10 is the method of payment for the COD fee.
                11   BOL11 is the currency that all monetary units are specified in for this transaction set.
        Notes: YRC Freight requires this element.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	140	Standard Carrier Alpha Code RDWY - YRC Freight Inc. YRC Freight requires this element.	M	ID	2/4
02	146	Shipment Method of Payment Code identifying payment terms for transportation charges. CC - Collect PP - Prepaid YRC Freight requires this element.	M	ID	2/2
03	145	Shipment Identification Number 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. A unique number assigned by the shipper to identify the shipment. This is usually the Bill of Lading number. This number may not be unique in the carrier's internal system. YRC Freight requires this element.	M	AN	1/30
04	373	Date (CCYYMMDD) Current date YRC Freight requires this element.	M	DT	8/8
05	337	Time (HHMM) Local time YRC Freight does not require this element.	O	TM	4/8

06	127	Reference Identification		M	AN	1/30

Reference information as defined for a particular Transaction Set or as specified by the reference-identification qualifier.

YRC Freight's PRO number
YRC Freight requires this element.

07	160	Status Report Request Code		O	ID	1/1

Code the shipper uses to specify that an automatic status report is requested when the shipment is delivered.
N - Not required
P - Proof of delivery document required
YRC Freight does not use this element.

08	226	Section Seven Code		O	ID	1/1

Code indicating applicability of section seven option (if not transmitted, assume not in effect).
YRC Freight does not use this element.

09	501	Customs Documentation Handling Code		O	ID	2/2

Code defining method of handling for documentation.
YRC Freight does not use this element.

10	146	Shipment Method of Payment		O	ID	2/2

Code identifying payment terms for transportation charges.
CC - Collect
PP - Prepaid

Method of payment for COD charges
YRC Freight does not require this element unless the shipment is COD

11	100	Currency Code		O	ID	3/3

Code (Standard ISO) for country in whose currency the charges are specified.
YRC Freight does not use this element.

B2A Set Purpose

Level:	Header
Loop:	_____
Usage:	Mandatory
Max Use:	One
Purpose:	To allow for positive identification of transaction set purpose
Notes:	YRC Freight requires this segment.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	353	Transaction Set Purpose Code Code identifying the purpose of the transaction set. 00 - Original (YRC Freight does not accept corrections.) YRC Freight requires this element.	M	ID	2/2
02	346	Application Type Code identifying an application. YRC Freight does not use this element.	O	ID	2/2

MS3 Interline Information

	Level:	Header
	Loop:	_____
	Usage:	Optional
	Max Use:	12
	Purpose:	To identify the interline carrier and relevant data

Semantic:	01	MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.
	03	MS303 is the city where the interline was performed.

Comment:	01	YRC Freight does not use this segment.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	140	Standard Carrier Alpha Code Standard Carrier Alpha Code YRC Freight does not use this element.	O	ID	2/4
02	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement YRC Freight does not use this element.	O	ID	1/2
03	19	City Name Free-form text for city name YRC Freight does not use this element.	O	AN	2/30
04	91	Transportation Method/ Type Code Code specifying the method or type of transportation for the shipment YRC Freight does not use this element.	O	ID	1/2

MS2 Equipment or Container Owner and Type

Level: Header
Loop: _____
Usage: Optional
Max Use: One
Purpose: To specify the owner, the identification number assigned by that owner, and the type of equipment.

Syntax: 01   PO102 - If either MS201 or MS202 is present, then the other is required.
04   CO402 - If MS204 is present, then MS202 is required.

Comment: 03   MS203 identifies the type for the equipment specified in the MS202.

Notes: This segment is used only when the trailer information will be provided, otherwise this segment is not necessary.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	140	Standard Carrier Alpha Code RDWY - YRC Freight YRC Freight does not require this element.	C	ID	2/4
02	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number ID preferred). YRC Freight's trailer number YRC Freight does not require this element.	C	AN	1/10
03	40	Equipment Description Code Code identifying type of equipment used for shipment. TL - Trailer (not otherwise specified) YRC Freight does not require this element.	O	ID	2/2
04	761	Equipment Number Check Digit Number that designates the check digit applied to a piece of equipment. YRC Freight does not use this element.	O	N0	1/1

L11 Business Instructions and Reference Number

Level: Header
Loop: _____
Usage: Optional
Max Use: 100
Purpose: To specify instructions in this business relationship or a reference number.

Syntax: 01 RO103 - At least one of L1101 or L1103 is required.
01 PO102 - If either L1101 or L1102 is present, then the other is required.

Comment: This segment is used to supply reference numbers that pertain to the entire shipment.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier. YRC Freight does not require this element.	C	AN	1/30
02	128	Reference Identification Qualifier Code qualifying the reference identification ST - Store Number DP - Department Number (if not supplied in the SPO segment) Many codes are available here; please refer to the ANSI X12 guide for a complete list. YRC Freight does not require this element.	C	ID	2/3
03	352	Description A free-form description to clarify the related data elements and their content. YRC Freight does not require this element.	C	AN	1/80

G62 Date/Time

Level: Header
Loop: _____
Usage: Optional
Max Use: 6
Purpose: To specify pertinent dates and times.

Syntax: 01   RO103 - At least one of G6201 or G6203 is required.
01   PO102 - If either G6201 or G6202 is present, then the other is required.
03   PO304 - If either G6203 or G6204 is present, then the other is required.

Comment:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	432	Date Qualifier Code specifying type of date. 86 - Actual pickup date YRC Freight does not require this element.	O	ID	2/2
02	373	Date (CCYYMMDD) YRC Freight does not require this element.	O	DT	8/8
03	176	Time Qualifier Code specifying the reported time. 8 - Actual pickup time	O	ID	1/2
04	337	Time (HHMM) YRC Freight does not require this element.	O	TM	4/8
05	623	Time Code Code identifying the time zone. ET - Eastern time CT - Central time MT - Mountain time PT - Pacific time YRC Freight does not require this element.	O	ID	2/2

AT5 Bill of Lading Handling Requirements

Level:	Header
Loop:	_____
Usage:	Optional
Max Use:	50
Purpose:	To identify Bill of Lading handling and service requirements

Syntax:	01	E0103 - Only one of AT501 or AT503 may be present
	02	E0203 - Only one of AT502 or AT503 may be present

Comment:　　　　This segment is optional and is used to supply special services.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	152	Special Handling Code Code specifying special transportation handling instructions NC - Notify consignee before delivery YRC Freight does not require this element, but it is preferred when shipment requires special handling instructions	C	ID	02/03
02	560	Special Services Code Code identifying the special service C1 - Shipper load and count ID - Inside Delivery NC - Notify Consignee before delivery YRC Freight does not require this element, but it is preferred when shipment requires special handling instructions	C	ID	02/10
03	153	Special Handling Description Free-form additional description of special handling instructions to appear on printed bill of lading if special handling code is not adequate. YRC Freight does not use this element.	C	A N	02/30

K1 Remarks

Level: Header
Loop: _____
Usage: Optional
Max Use: 10
Purpose: To transmit information in a free-form format for comment or special instruction

Syntax:

Comment: This segment is optional and not recommended by YRC Freight because it requires special processing of the information being conveyed. All comments transmitted in this segment may or may not reach the delivery receipt.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	61	Free-Form Message	O	A	01/30
		Free-form information		N	
		YRC Freight does not require this element.			
02	61	Free-Form Message	O	A	01/30
		Free-form information		N	
		YRC Freight does not require this element.			

N1 Name

Level: Header
Loop: 0100
Usage: Mandatory
Max Use: One per loop
Purpose: To identify a party by type of organization, name and code

Syntax: 02 R0203 - At least one of N102 or N103 is required.
03 P0304 - If either N103 or N104 is present, then the other is required.

Comment: This segment is required and is used to transmit shipper, consignee and other third-party-related information.

02 The N102 has increased in size from 35 characters to 60 characters in version 003070. YRC Freight will continue to use the 35 characters maximum on this segment.

04 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

05 N105 and N106 further define the type of entity in N101

YRC Freight uses N103 and N104 to further define the shipping locations; it is required only when N101 is equal to 'SH'

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual CN - Consignee PF - Party to receive freight bill SH - Shipper SF - Ship from ST - Ship to BT - Bill to YRC Freight requires this element.	M	ID	2/3
02	93	Name Free-form name YRC Freight requires this element.	M	AN	1/35
03	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 93 - Customer-assigned code 94 - YRC Freight-assigned code YRC Freight requires this element.	M	ID	1/2

| 04 | 67 | Identification Code | M | AN | 2/20 |
| | | Code identifying a party or other code | | | |

YRC Freight requires this element.

Either the customer or YRC Freight provides this number, depending on the N103, for each shipping location.

| 05 | 706 | Entity Relationship Code | O | ID | 2/2 |
| | | Code describing entity relationship | | | |

YRC Freight does not use this element.

| 06 | 98 | Entity Identifier Code | O | ID | 2/3 |
| | | Code identifying an organizational entity, a physical location, property or an individual | | | |

YRC Freight does not use this element.

N2 Additional Name Information

Level: Header
Loop: 0100
Usage: Optional
Max Use: One per loop
Purpose: To specify additional names or those longer than 35 characters.

Syntax:

Comment:

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
01	93	Name	O	AN	1/60
		Free-form name			
		YRC Freight does not require this element.			
02	93	Name	O	AN	1/60
		Free-form name			
		YRC Freight does not require this element.			

N3 Address Information

Level: Header
Loop: 0100
Usage: Mandatory
Max Use: Two per loop
Purpose: To specify the location of the named party

Syntax:

Comment: 01 **N301 and N302 have increased in size from 35 to 55 characters, YRC Freight will continue to support a maximum 35 characters.**

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	166	Address Information The address of the entity described in the N101. YRC Freight requires this element.	M	A N	01/35
02	166	Address Information YRC Freight does not require this element.	O	A N	01/35

N4 Geographic Location

Level: Header
Loop: 0100
Usage: Mandatory
Max Use: One per loop
Purpose: To specify the geographic place of the named party

Syntax: 06   C0605 - If N406 is present, then N405 is required

Comment: 01   A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location

02   N402 is required only if city name (N401) is in the United States or Canada

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	19	City Name Free-form text for city name YRC Freight requires this element.	M	AN	02/30
02	156	State/Province Code Code (Standard State/Province) as defined by appropriate government agency YRC Freight requires this element.	M	ID	02/02
03	116	Postal Code Code defining the international postal zone code, excluding punctuation and blanks (ZIP code for United States) YRC Freight requires this element.	M	ID	03/15
04	26	Country Code Code identifying the country if other than the United States YRC Freight does not require this element unless other than United States	O	ID	02/03
05	309	Location Qualifier Code identifying the type of location YRC Freight does not use this element.	O	ID	01/02
06	310	Location Identifier Code that identifies a specific location YRC Freight does not use this element.	O	AN	01/30

G61 Contact

    Level: Header
    Loop: 0100
    Usage: Optional
    Max Use: Three per loop
    Purpose: To identify a person or office to whom communications should be directed

    Syntax: 03   P0304 - If either G6103 or G6104 is present, then the other is required.

    Comment: 03   G6103 qualifies G6104

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	366	Contact Function Code Code identifying the main duty or responsibility of the person or group named DC - Delivery Contact SH - Shipper Contact YRC Freight does not require this element.	O	ID	02/02
02	93	Name Free-form name YRC Freight does not require this element.	O	AN	01/60
03	365	Communication Number Qualifier Code identifying the type of communication number TE - Telephone YRC Freight does not require this element.	X	ID	02/02
04	364	Communication Number Complete communication number, including country or area code when applicable YRC Freight does not require this element.	X	AN	01/80
05	443	Contact Inquiry Reference Additional reference number or description to clarify a contact number YRC Freight does not use this element.	O	AN	01/20

AT1 Bill of Lading Line Item Number

Level:	Detail
Loop:	0200
Usage:	Mandatory
Max Use:	One per loop
Purpose:	To reference a Bill of Lading line number
Trans. Set Notes:	The AT1 segment provides the line number for all the related items included. It may include reference numbers, rates and charges, descriptions and/or line-items details. Any data included in a single loop is related to the other data included in that loop. Any reference numbers included in the loop with line-item details are related to that line item only. Any reference numbers included in its own line item are related to the entire shipment and cannot be broken out by line-item detail.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	213	Lading Line-Item number Sequential line number for a lading item YRC Freight requires this element.	M	NO	01/03

L11 Business Instructions and Reference Number

Level:	Detail
Loop:	0200
Usage:	Optional
Max Use:	100 per loop
Purpose:	To specify instructions in this business relationship or a reference number

Syntax: 01   R0103 - At least one of L1101 or L1103 is required.
          01   P0102 - If either L1101 or L1102 is present, then the other is required.

Comment:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier YRC Freight does not require this element.	X	AN	01/ 30
02	128	Reference Identification Qualifier Code qualifying the Reference Identification AE - Authorization for Expense (AFE) Number DP - Department Number **If the department number is sent in the SPO segment, then it should not be sent in the L11 segment.** YRC Freight does not require this element.	X	ID	02/ 03
03	352	Description A free-form description to clarify the related data elements and their content YRC Freight does not use this element.	X	AN	01/ 80

AT3 Bill of Lading Rates and Charges

Level:	Detail
Loop:	0200
Usage:	Optional
Max Use:	One per loop
Purpose:	To specify bill of lading rates and charges
Trans. Set Notes:	Take care when using the AT3 segment to provide the carrier a pre-rated Bill of Lading. Rates and charges included on the Bill of Lading are subject to audit. Accessorial charges usually cannot be determined before the shipment has been delivered; therefore, use of this segment may not negate the requirement for transaction set 210, Freight Invoice and Details.
	The AT3 segment provides a means of transmitting freight charges and the basis for those charges. The amount of the charge appears in the AT301. If the charge is based on a percent discount, the percent discount is transmitted in the AT307 with the charge after the discount has been applied in AT301. If the charge is based on a rate, the rate is transmitted in the AT303 with the qualifier codified in the AT302. If the quantity of the unit being rated is required, AT305 is used in conjunction with AT304.
Syntax:	02 R0203 - If either AT302 or AT303 is present, then the other is required.
	02 E020607 - Only one of AT302, AT306 or AT307 may be present.
	02 R020607 - At least one of AT302, AT306, or AT307 is required.
	04 P0405 - If either AT304 or AT305 is present, then the other is required.
	04 C0402 - If AT304 is present, then AT302 is required.
Semantic:	01 AT301 is the charge per bill of lading line item.
	07 AT307 is the percent discount that was used to determine the charge in AT301.
Comment:	05 AT305 is the quantity of units (miles, gallons, deficit weight, *etc.*) as defined by the qualifier AT304.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	58	Charge 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. YRC Freight does not require this element unless special charges apply.	O	N2	1/12
02	1600	Freight Rate Qualifier Code qualifying the bill of lading freight rate CW - Per Hundred Weight PF - Per Cubic Feet YRC Freight does not require this element.	X	ID	2/2
03	60	Freight Rate Rate that applies to the specific commodity. YRC Freight does not require this element.	X	R	1/9
04	1601	Rated as Qualifier Code identifying the type of quantity on which the rate is based. YRC Freight does not require this element.	X	ID	2/2
05	380	Quantity Numeric value of quantity YRC Freight does not require this element.	X	R	1/15

06	1602	Bill of Lading Charge Code	X	ID	3/3

Code identifying the type of bill of lading charge

COD - Cash on Delivery

FSC - Fuel surcharge

IDL - Inside Delivery

RES - Residential Delivery

YRC Freight does not require this element unless special charge code applies.

07	954	Percent	X	R	1/10

Percentage expressed as a decimal

YRC Freight does not require this element.

AT4 Bill of Lading Description

	Level:	Detail
	Loop:	0200
	Usage:	Mandatory
	Max Use:	99 per loop
	Purpose:	To specify the lading description
	Trans. Set	Segment AT4 provides a means for the shipper to provide a text description of the line item.
	Notes:	The National Motor Freight Classification and the freight class shall be included in the AT2 segment if applicable.
	Syntax:	
	Comment:	

<div align="center">Data Element Summary</div>

Ref. Des.	Data Element	Name	Attributes		
01	79	Lading Description Description of an item as required for rating and billing purposes YRC Freight requires this element.	M	AN	1/50

AT2 Bill of Lading Line Item Detail

Level:	Detail
Loop:	0210
Usage:	Mandatory
Max Use:	One per loop
Purpose:	To specify bill of lading quantity, weight and commodity classification
Trans. Set Notes:	The AT2 segment is used to provide the carrier the appropriate data to rate the shipment. It is included per line item when the line item includes an item of freight.

Syntax:	06	P0607 - If either AT206 or AT207 is present, then the other is required
Semantic:	01	AT201 is the number of carrier handling units for the line item.
	02	AT202 is the package form of the lading quantity in AT201.
	03	AT203 and AT204 qualify AT205
	05	AT205 is the weight of the lading quantity identified in AT201.
	06	AT206 is used only if AT202 contains the codes PLT, SKD or SLP.
	06	AT206 is the total number of pieces contained on the pallets, skids or slip sheets identified in AT202.
	07	AT207 is the package form of the units on the pallet, skid, or slip sheet identified in AT202.
	08	AT208 indicates whether the carrier is required to verify the number of cartons on the pallet, skid or slip sheet. A "Y" indicates the carrier has verified the number of cartons. An "N" indicates the carrier has not verified the number of cartons. If AT208 is not present in the segment, an "N" code is assumed.
	09	AT209 is the National Motor Freight Classification Number.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	80	Lading Quantity Number of units (pieces) of the lading commodity This element is zero if the line item being described is part of a pallet with mixed commodities. YRC Freight requires this element.	M	N0	1/7
02	211	Package Form Code Code for packaging form of the lading quantity Some of the more-common codes are as follows. This is not a complete list. Please refer to the VICS implementation guide for a complete list. CTN - Carton DRM - Drum PCS - Pieces PLT - Pallet SKD - Skid YRC Freight requires this element.	M	ID	3/3
03	187	Weight Qualifier Code defining type of weight N - Actual Net Weight T - Tare Weight YRC Freight requires this element.	M	ID	1/2

04	188	Weight Unit Code	M	ID	1/1

Code specifying the weight unit
L - Pounds
K - Kilograms
YRC Freight requires this element.

05	81	Weight	M	R	1/10

Numeric value of weight
YRC Freight requires this element.

06	80	Lading Quantity	M	N0	1/7

Number of units (pieces) of the lading quantity
YRC Freight requires this element only if AT202 is a master handling unit, such as PLT, SKD or SLP

07	211	Package Form Code	M	ID	3/3

Code for packaging form of the lading quantity
Some of the more-common codes are as follows. This is not a complete list. Please refer to the VICS implementation guide for a complete list:
CTN - Carton
DRM - Drum
PCS - Pieces
YRC Freight requires this element only if AT202 is PLT, SKD or SLP.

08	1073	Yes/No Condition or Response Code	O	ID	1/1

Code indicating a Yes or No condition or response
YRC Freight does not use this element.

09	22	Commodity Code	M	AN	1/30

Code describing a commodity or group of commodities
This is a code defined by the National Motor Freight Tariff Association for each commodity.
YRC Freight requires this element.

10	59	Freight Class Code	O	AN	2/5

Code indicating generalized classification that applies to one or more items in the shipment.
YRC Freight does not use this element because the AT209 is required.

MAN Marks and Numbers

Level:	Detail
Loop:	0210
Usage:	Optional
Max Use:	999999 per loop
Purpose:	To indicate identifying marks and numbers for shipping containers

Trans. Set Notes:	The MAN segment provides the marks and numbers directly associated with the line item identified in the AT2 segment. If the marks and numbers are not directly associated with the line item in the AT2, then the MAN in loop 0220 must be used.
Syntax:	04 P0405 - If either MAN04 or MAN05 is present, then the other is required.
	06 C0605 - If MAN06 is present, then MAN05 is required.
Semantic:	01 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
	02 When MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
	05 When MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.
Comment:	03 MAN03 and/or MAN06 are used only when sending a range(s) of ID numbers.
	03 When MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	88	Marks and Numbers Qualifier Code specifying The application or source of Marks and Numbers GM - SSCC18 Bar Code ID W - Pallet Number MC - Master Carton Number **The identification number of the outermost (external) container in a shipment leaving the supplier's dock.** This element is used only to send bar code information	O	ID	1/2
02	87	Marks and Numbers Marks and Numbers used to identify a shipment or parts of a shipment. This element is required when MAN01 is present.	O	AN	1/48
03	87	Marks and Numbers Marks and Numbers used to identify a shipment or parts of a shipment. This element is used only when a range of numbers is being sent.	O	AN	1/48
04	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers GM - UCC/EAN-128 Serial Shipping Container Code Format W - Pallet Number MC - Master Carton Number **The identification number of the outermost (external) container in a shipment leaving the supplier's dock.** YRC Freight does not use this element.	X	ID	1/2

05	87	Marks and Numbers	X	AN	1/48
		Marks and Numbers used to identify a shipment or parts of a shipment			
		YRC Freight does not use this element.			
06	87	Marks and Numbers	o	AN	1/48
		Marks and Numbers used to identify a shipment or parts of a shipment			
		YRC Freight does not use this element.			

SPO Shipment Purchase Order Detail

Level:	Detail
Loop:	0210
Usage:	Mandatory
Max Use:	999999 per loop
Purpose:	To specify purchase-order details for a line item. If purchase-order details are not directly associated with this line item, then the SPO segment in loop 0220 must be used.

Syntax:	03	P0304 - If either SPO03 or SPO04 is present, then the other is required.
	05	P0506 - If SPO05 or SPO06 is present, then the other is required.
Semantic:	02	SPO02 is the department number.
	04	SPO04 is the total quantity for the purchase order.
	06	SPO06 is the total weight for the purchase order.
	07	SPO07 indicates the data error condition relative to the shipment management information.
	08	SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser YRC Freight requires this element.	M	AN	1/22
02	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier. SPO02 is the department number.	O	AN	1/30
03	355	Unit or Basis Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. CT - Cartons PC - Pieces PL - Pallets SV - Skids YRC Freight requires this element.	X	ID	2/2
04	380	Quantity Numeric value of quantity Total units on the Purchase Order YRC Freight requires this element.	X	R	1/15
05	188	Weight Unit Code Code specifying the weight unit. K - Kilograms L - Pounds YRC Freight requires this element for some retailers. If your retailer requires that weight be included with the PO information, then this element is required.	X	ID	1/1

06	81	Weight	X	R	1/10
		Numeric value of weight.			
		If the SPO05 is required, then this element is required; otherwise, the element is optional.			
07	647	Application Error Condition Code	O	ID	1/3
		Code indicating application error condition			
		YRC Freight does not use this element.			
08	127	Reference Identification	O/Z	AN	1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
		YRC Freight does not use this element.			

LX Assigned Number

Level:	Detail
Loop:	0220
Usage:	Mandatory if loop 0220 is used
Max Use:	One per loop
Purpose:	To reference a line number in a transaction
Trans. Set Notes:	Loop 0220 shall be used only when the marks and numbers or the purchase-order detail cannot be associated with the specific bill of lading line-item details included in the AT2 segments transmitted with this bill of lading.
Comment:	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	554	Assigned Number	M	N0	1/6
		Number assigned for differentiation in a transaction set			
		This is a sequential number, beginning with one and incremented by one, for every occurrence of the LX segment.			
		YRC Freight requires this element if loop 0220 is being used.			

MAN Marks and Numbers

Level:	Detail
Loop:	0220
Usage:	Optional
Max Use:	999999 per loop
Purpose:	To indicate identifying marks and numbers for shipping containers

Syntax:	04	P0405 - If either MAN04 or MAN05 is present, then the other is required.
	06	C0605 - If MAN06 is present, then MAN05 is required.
Semantic:	01	MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
	02	When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
	05	When MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.
Comment:	03	MAN03 and/or MAN06 are used only when sending a range(s) of ID numbers.
	03	When MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers GM - UCC/EAN-128 Serial Shipping Container Code Format W - Pallet Number MC - Master Carton Number **The identification number of the outermost (external) container in a shipment leaving the supplier's dock.** This element is used only to send bar code information	O	ID	1/2
02	87	Marks and Numbers Marks and Numbers used to identify a shipment or parts of a shipment. YRC Freight requires this element when the MAN01 is present.	O	AN	1/48
03	87	Marks and Numbers Marks and Numbers used to identify a shipment or parts of a shipment. YRC Freight uses this element only when a range of numbers is sent.	O	AN	1/48
04	88	Marks and Numbers Qualifier Code specifying The application or source of Marks and Numbers GM - UCC/EAN-128 Serial Shipping Container Code Format W - Pallet Number MC - Master Carton Number **The identification number of the outermost (external) container in a shipment leaving the supplier's dock.** YRC Freight does not use this element.	X	ID	1/2
05	87	Marks and Numbers Marks and Numbers used to identify a shipment or parts of a shipment. YRC Freight does not use this element.	X	AN	1/48

| 06 | 87 | Marks and Numbers | O | AN | 1/48 |

Marks and Numbers used to identify a shipment or parts of a shipment.

YRC Freight does not use this element.

SPO Shipment Purchase Order Detail

Level: Detail
Loop: 0220
Usage: Optional
Max Use: 999999 per loop
Purpose: To specify the purchase-order details for a shipment
Trans. Set Loop 0220 shall be used only when the purchase order detail cannot be associated with the
Notes: specific bill of lading line-item detail included in the AT2 segment transmitted with this bill of
lading.

Syntax: 03 P0304 - If either SPO03 or SPO04 is present, then the other is required.
05 P0506 - If SPO05 or SPO06 is present, then the other is required.
Semantic: 02 SPO02 is the department number.
04 SPO04 is the total quantity for the purchase order.
06 SPO06 is the total weight for the purchase order.
07 SPO07 indicates the data error condition relative to the shipment management
information.
08 SPO08 is used to specify sorting and/or segregating reference numbers for each
receiving location (processing area).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser YRC Freight requires this element if the Purchase Order number is not directly associated with the line item in the AT2 segment.	O	AN	1/22
02	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier. YRC Freight requires SPO02, which is the department number.	O	AN	1/30
03	355	Unit or Basis Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. CT - Cartons PC - Pieces PL - Pallets SV - Skids YRC Freight requires this element.	O	ID	2/2
04	380	Quantity Numeric value of quantity Total units on the Purchase Order YRC Freight requires this element.	O	R	1/15
05	188	Weight Unit Code Code specifying the weight unit. K - Kilograms L - Pounds YRC Freight requires this element for some retailers. If your retailer requires that weight be included with the PO information, then this element is required.	O	ID	1/1

06	81	Weight	O	R	1/10
		Numeric value of weight.			
		If the SPO05 is required, then this element is required; otherwise, the element is optional.			
07	647	Application Error Condition Code	O	ID	1/3
		Code indicating application error condition			
		YRC Freight does not use this element.			
08	127	Reference Identification	O	AN	1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
		YRC Freight does not use this element.			

G61 Contact

<div>

Level:	Detail
Loop:	0230
Usage:	Mandatory if hazardous commodities are contained on this shipment
Max Use:	One per loop
Purpose:	To identify a person or office to whom communications should be directed

</div>

Syntax: 03   P0304 - If either G6103 or G6104 is present, then the other is required.

Comment: 03   G6103 qualifies G6104

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	366	Contact Function Code Code identifying the main duty or responsibility of the person or group named HM - Hazardous Materials Contact YRC Freight requires this element for hazardous shipments.	O	ID	02/02
02	93	Name Free-form name YRC Freight requires this element for hazardous shipments.	O	AN	01/60
03	365	Communication Number Qualifier Code identifying the type of communication number TE - Telephone YRC Freight requires this element for hazardous shipments.	O	ID	02/02
04	364	Communication Number Complete communications number, including country or area code when applicable YRC Freight requires this element for hazardous shipments.	O	AN	01/80
05	443	Contact Inquiry Reference Additional reference number or description to clarify a contact number YRC Freight does not use this element.	O	AN	01/20

L11 Business Instructions and Reference Number

Level: Detail
Loop: 0230
Usage: Optional
Max Use: Five per loop
Purpose: To specify instructions in this business relationship or a reference number

Syntax: 01   R0103 - At least one of L1101 or L1103 is required.
01   P0102 - If either L1101 or L1102 is present, then the other is required.

Comment:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier YRC Freight does not require this element.	X	AN	01/30
02	128	Reference Identification Qualifier Code qualifying the Reference Identification YRC Freight does not require this element.	X	ID	02/03
03	352	Description A free-form description to clarify the related data elements and their content YRC Freight does not require this element.	X	AN	01/80

LH6 Hazardous Certification

<table>
<tr><td>Level:</td><td>Detail</td></tr>
<tr><td>Loop:</td><td>0230</td></tr>
<tr><td>Usage:</td><td>Optional</td></tr>
<tr><td>Max Use:</td><td>Six per loop</td></tr>
<tr><td>Purpose:</td><td>To specify the name of the person certifying the shipment complies with the regulations and/or the actual certification.</td></tr>
</table>

Syntax: 02   P0203 - If either LH02 or LH03 is present, then the other is required

Comment: YRC Freight does not use this segment.

<p align="center">Data Element Summary</p>

Ref. Des.	Data Element	Name	Attributes		
01	93	Name Free-form name YRC Freight does not use this element.	O	AN	1/60
02	272	Hazardous Certification Code Code indicating the form of hazardous certification YRC Freight does not use this element.	X	ID	1/1
03	273	Hazardous Certification Declaration Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations YRC Freight does not use this element.	X	AN	1/25
04	273	Hazardous Certification Declaration Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations YRC Freight does not use this element.	O	AN	1/25

LH1 Hazardous Identification Information

Level:	Detail
Loop:	0231
Usage:	Mandatory for hazardous shipments
Max Use:	One per loop
Purpose:	To specify the hazardous commodity identification reference number and quantity

Comment: 01   LH101 and LH102 are used to convey identification reference number and quantity.

            06   LH106 and LH107 are used to convey the quantity or volume and unit of measure for non-bulk shipments only.

            09   In LH109, a value of "R" requires that the receiver generate the words "residue: last contained" before the shipping name in accordance with regulations and the words "-residue" following all placards associated with this description.

YRC Freight regards this segment as mandatory for all hazardous shipments.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	355	Unit or Basis for Measure Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. GA - Gallon LB - Pound YRC Freight requires this element for all Hazardous shipments.	M	ID	2/2
02	80	Lading Quantity Number of units (pieces) of the lading commodity YRC Freight requires this element for all Hazardous shipments.	M	N0	1/7
03	277	UN/NA ID Code 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. YRC Freight requires this element for all Hazardous shipments.	M	ID	6/6
04	200	Hazardous Material Page The United Nations page number as required for the international transport of hazardous materials. YRC Freight does not use this element.	O	AN	1/6
05	22	Commodity Code Code describing a commodity or group of commodities. YRC Freight does not use this element.	O	AN	1/30
06	355	Unit or Basis for Measure Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. LB - Pound YRC Freight does not use this element.	O	ID	2/2
07	380	Quantity Numeric value of quantity YRC Freight does not use this element.	O	R	1/15
08	595	Compartment ID Code Code identifying the compartment in a compartmentalized tank car. YRC Freight does not use this element.	O	ID	1/1

09	665	Residue Indicator Code	O	ID	1/1
		Code indicating that the shipment is not a loaded movement but contains a residue from a prior movement.			
		R - Residue Last Contained Description			
		YRC Freight does not use this element.			
10	254	Packing Group Code	O	ID	1/3
		Code indicating degree of danger in terms of Roman number I, II or III			
		YRC Freight does not use this element.			
11	1375	Interim Hazardous Material Regulatory Number	O	AN	1/5
		Identifies the current regulatory version number used for hazardous materials shipments.			
		YRC Freight does not use this element.			

LH2 Hazardous Classification Information

Level:	Detail	
Loop:	0231	
Usage:	Optional	
Max Use:	Four per loop	
Purpose:	To specify hazardous classification, placard notation and endorsement information	

Syntax:	06	If either LH206 or LH207 is present, then the other is required.
Semantic:	06	LH206 and LH207 indicate the flashpoint temperature.
Comment:		YRC Freight does not use this segment.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	215	Hazardous Classification The hazardous classification corresponding to the shipping name of the hazardous commodity. YRC Freight does not use this element.	O	ID	1/30
02	983	Hazardous Class Qualifier Code qualifying hazardous class P - Primary S - Secondary YRC Freight does not use this element.	O	ID	1/01
03	218	Hazardous Placard Notation The placard notation corresponding to the hazard class of the hazardous commodity YRC Freight does not use this element.	O	ID	14/40
04	222	Hazardous Endorsement The placard endorsement that is to be shown on the shipping papers for the hazardous commodity. YRC Freight does not use this element.	O	ID	4/25
05	759	Reportable Quantity Code Code to identify presence of hazardous substance. RQ - Reportable Quantity YRC Freight does not use this element.	O	ID	2/02
06	355	Unit or Basis for Measure Code Code specifying the units in which a value is being expressed or manner in which a measurement has been taken. FA - Fahrenheit YRC Freight does not use this element.	X	ID	2/02
07	408	Temperature Temperature	X	R	1/04

LH3 Hazardous Material Shipping Name

Level: Detail
Loop: 0231
Usage: Mandatory for Hazardous shipments
Max Use: 10 per loop
Purpose: To specify the hazardous material shipping name and additional descriptive requirements

Syntax: 01 P0102 - If either LH301 or LH302 is present, then the other is required.
Semantic: 04 If LH304 is "Y", then this is an association of American Railroad Operations and Transportation Bulletin 55 commodity.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	224	Hazardous Material Shipping Name The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49. YRC Freight requires this element for all hazardous shipments.	M	AN	1/25
02	984	Hazard Material Name Qualifier Qualifier indicating the source (regulatory) of the proper shipping name. C - Canadian Shipping Name D - Domestic (United States) Shipping Name I - International Shipping Name YRC Freight requires this element for all hazardous shipments.	M	ID	1/1
03	985	N. O. S. Indicator Code Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified NOS - N.O.S. Regulatory Requirements Apply YRC Freight does not use this element.	O	ID	3/3
04	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response N - No Y - Yes YRC Freight does not use this element.	O	ID	1/1

LFH Freeform Hazardous Material Information

Level:	Detail
Loop:	0231
Usage:	Mandatory for Hazardous Shipments
Max Use:	20 per loop
Purpose:	To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

Syntax:
Semantic:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	808	Hazardous Material Shipment Information Qualifier Qualifier indicating the type of information being passed, so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements. TEC - Technical or Chemical Group Name YRC Freight requires this element for all hazardous shipments.	M	ID	03/03
02	809	Hazardous Material Shipment Information Specific information required by law for hazardous material shipments YRC Freight requires this element for all hazardous shipments.	M	AN	01/25
03	809	Hazardous Material Shipment Information Specific information required by law for hazardous material shipments YRC Freight does not require this element.	O	AN	01/25
04	1023	Hazard Zone Code Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone YRC Freight does not require this element.	O	ID	01/01

LEP EPA Required Data

Level: Detail
Loop: 0231
Usage: Optional
Max Use: Three per loop
Purpose: To specify the Environmental Protection Agency (EPA) information relating to shipments of hazardous material

Syntax:
Semantic:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	806	EPA Waste Stream Number Code Waste stream number applicable to the movement of hazardous waste as determined by government regulation YRC Freight does not use this element.	O	ID	04/04
02	807	Waste Characteristics Code Waste characteristics as defined by regulatory requirements YRC Freight does not use this element.	O	ID	14/16

LH4 Canadian Dangerous Requirements

Level: Detail
Loop: 0231
Usage: Optional
Max Use: One per loop
Purpose: To specify additional Transport Canada requirements covering transportation of dangerous goods in Canada

Semantic: 11 LH411 is an additional telephone number.
Comments 02 LH402 is used for the emergency response plan telephone number.
04 LH404 is for the first subsidiary classification.
05 LH405 is for the second subsidiary classification.
06 LH406 is for the third subsidiary classification.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	238	Emergency Response Plan Number The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada YRC Freight does not use this element.	O	AN	01/12
02	364	Communication Number Complete communications number, including country or area code when applicable YRC Freight does not use this element.	O	AN	01/80
03	254	Packing Group Code Code indicating degree of danger in terms of Roman number I, II, III YRC Freight does not use this element.	O	ID	01/03
04	230	Subsidiary Classification Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers. YRC Freight does not use this element.	O	ID	01/03
05	230	Subsidiary Classification Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers. YRC Freight does not use this element.	O	ID	01/03
06	230	Subsidiary Classification Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers. YRC Freight does not use this element.	O	ID	01/03
07	271	Subsidiary Risk Indicator Code identifying the type of subsidiary risk YRC Freight does not use this element.	O	ID	01/02
08	267	Net Explosive Quantity Net weight of the explosive quantity of the hazardous commodity YRC Freight does not use this element.	O	NO	01/06

| 09 | 805 | Canadian Hazardous Notification | O | AN | 01/25 |

Notation required by Canadian regulatory agencies

YRC Freight does not use this element.

| 10 | 986 | Special Commodity Indicator Code | O | ID | 01/01 |

Code indicating "Special Commodity" notation on operational waybill as identified by the Transportation of Dangerous Goods Act and Regulation (TDG)

YRC Freight does not use this element.

| 11 | 364 | Communication Number | O | AN | 01/80 |

Complete communications number including country or area code when applicable

YRC Freight does not use this element.

LHT Transborder Hazardous Requirements

    Level: Detail
     Loop: 0231
    Usage: Optional
Max Use: Three per loop
Purpose: To specify the placard information required by the second government agency when
          shipment is to cross into another country

Semantic:
Comments

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	215	Hazardous Classification The hazardous classification corresponding to the shipping name of the hazardous commodity YRC Freight does not use this element.	O	ID	01/30
02	218	Hazardous Placard Notation The placard notation corresponding to the hazard class of the hazardous commodity YRC Freight does not use this element.	O	ID	14/40
03	222	Hazardous Endorsement The placard endorsement that is to be shown on the shipping papers for the hazardous commodity YRC Freight does not use this element.	O	ID	04/25

L11 Business Instructions and Reference Number

Level: Detail
Loop: 0231
Usage: Optional
Max Use: Five per loop
Purpose: To specify instructions in this business relationship or a reference number

Semantic:
Syntax: 01   R0103 - At least one of L1101 or L1103 is required.
02   P0102 - If either L1101 or L1102 is present, then the other is required.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the reference identification qualifier YRC Freight does not use this element.	C	AN	01/30
02	128	Reference Identification Qualifier Code qualifying the Reference Identification YRC Freight does not use this element.	C	ID	02/03
03	352	Description A free-form description to clarify the related data elements and their content YRC Freight does not use this element.	C	AN	01/80

SE Transaction Set Trailer

Level: Detail
Loop: _____
Usage: Mandatory
Max Use: One
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)

Semantic:
Comment: 01 SE is the last segment of each transaction set.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
01	96	Number of Included Sets Total number of segments included in a transaction set including ST and SE segments YRC Freight requires this element.	M	NO	01/10
02	329	Transaction Set Control Number Identifying control number that must be unique in the transaction set functional group assigned by the originator for a transaction set YRC Freight requires this element.	M	AN	04/09