

# R+L Carriers EDI File Format

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## 204 Load Tender for LTL Pickups

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**Version:** 1.1  
**X12 Version:** 4010  
**Functional Group** SM

This standards document contains the format and establishes the data contents of the Motor Carrier Load Tender Transaction Set (204) for use within the context of submitting a Load Tender and/or a Bill of Lading within an Electronic Data Interchange (EDI) environment to R+L Carriers, Inc.

When used with R+L Carriers, Inc., this transaction set can be used to allow shippers or other interested parties to offer (tender) a shipment to a Less-than-Truckload (LTL) motor carrier including detailed scheduling, shipping, and billing instructions pertinent to a load tender.

**Note: The receipt of this file does not guarantee a pickup will be made and is left to the discretion of the terminal dispatcher. All attempts will be made to service the request on the date requested. In the event that a pickup cannot be made, regardless of the reason, the partner will be notified in a manner agreed to upon that will be established during partner setup and testing.**

### General Guidelines for Submitting EDI Load Tenders:

- ✓ If required fields are missing or are transmitted in an invalid format, the pickup request will be rejected and an EDI 997 document will be created with a Reject status.
- ✓ Weight and number of pieces are required elements for a load tender.
- ✓ Submit pickup requests early in the day for same-day pickups.
- ✓ Ship-to and ship-from addresses must contain a street address. R+L will not pickup from or deliver to a P.O. Box.

## Revision History

Nov 10, 2005      Added Appendix B Sample 204 Documents

## EDI 204 Document Elements

### Envelope:

<u>ID</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<a href="#">ISA</a>	Interchange Control Header	1			Must Use
<a href="#">GS</a>	Functional Group Header	1			Must Use

### Header:

<u>ID</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<a href="#">ST</a>	Transaction Set Header	1			Must use
<a href="#">B2</a>	Beginning Segment for Shipment Information Transaction	1			Must Use
<a href="#">B2A</a>	Set Purpose	1			Must use
<a href="#">L11</a>	Business Instructions and Reference Number	50			Can Use
<a href="#">G62</a>	Date/Time	1		<a href="#">1/090</a>	Can Use
<a href="#">MS3</a>	Interline Information	1			Can Use
<a href="#">AT5</a>	Bill of Lading Handling Requirements	6			Can Use
<a href="#">PLD</a>	Pallet Information	1			Can Use
<a href="#">NTE</a>	Note/Special Instruction	10		<a href="#">RLC-01</a>	Can Use
<b>LOOP ID - <a href="#">0100</a></b>			<b>1</b>	<b><a href="#">RLC-02</a></b>	
<a href="#">N1</a>	Name	1		<a href="#">1/140</a>	Can Use
<a href="#">N2</a>	Additional Name Information	1			Can Use
<a href="#">N3</a>	Address Information	2			Can Use
<a href="#">N4</a>	Geographic Location	1			Can Use
<a href="#">L11</a>	Business Instructions and Reference Number	1			Can Use
<a href="#">G61</a>	Contact	3			Can Use
<b>LOOP ID - <a href="#">0200</a></b>			<b>10</b>		
<a href="#">IN7</a>	Equipment Details	1			Can Use

### Detail:

<u>ID</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - <a href="#">0300</a></b>			<b>999</b>	<b><a href="#">RLC-03</a></b>	
<a href="#">S5</a>	Stop Off Details	1			Must use
<a href="#">L11</a>	Business Instructions and Reference Number	50			Can Use
<a href="#">G62</a>	Date/Time	2			Can Use
<a href="#">AT8</a>	Shipment Weight, Packaging and Quantity Data	1		<a href="#">2/040</a> <a href="#">RLC-04</a>	Can Use
<a href="#">LAD</a>	Lading Detail	999		<a href="#">2/050</a> <a href="#">RLC-04</a>	Can Use

<a href="#">AT5</a>	Bill of Lading Handling Requirements	6		Can Use
<a href="#">PLD</a>	Pallet Information	1		Can Use
<a href="#">NTE</a>	Note/Special Instruction	20	<a href="#">RLC-01</a>	Can Use
<b>LOOP ID - <a href="#">0310</a></b>		<b>1</b>	<b><a href="#">RLC-05</a></b>	
<a href="#">N1</a>	Name	1		Can Use
<a href="#">N2</a>	Additional Name Information	1		Can Use
<a href="#">N3</a>	Address Information	2		Can Use
<a href="#">N4</a>	Geographic Location	1		Can Use
<a href="#">G61</a>	Contact	3		Can Use
<b>LOOP ID - <a href="#">0320</a></b>		<b>99</b>	<b><a href="#">RLC-06</a></b>	
<a href="#">L5</a>	Description, Marks, and Numbers	1		Can Use
<a href="#">AT8</a>	Shipment Weight, Packaging and Quantity Data	1	<a href="#">2/040</a> <a href="#">RLC-04</a>	Can Use
<b>LOOP ID - <a href="#">0325</a></b>		<b>99</b>	<b><a href="#">RLC-07</a></b>	
<a href="#">G61</a>	Contact	1	<a href="#">2/140</a>	Can Use
<a href="#">LH6</a>	Hazardous Certification	6		Can Use
<b>LOOP ID - <a href="#">0330</a></b>		<b>25</b>	<b><a href="#">RLC-08</a></b>	
<a href="#">LH1</a>	Hazardous Identification Information	1		Can Use
<a href="#">LH2</a>	Hazardous Classification Information	4		Can Use
<a href="#">LH3</a>	Hazardous Material Shipping Name	10		Can Use
<a href="#">LFH</a>	Freeform Hazardous Material Information	20		Can Use
<b>LOOP ID - <a href="#">0350</a></b>		<b>999</b>	<b><a href="#">2/150</a></b>	
<a href="#">OID</a>	Order Identification Detail	1		Can Use
<b>LOOP ID - <a href="#">0360</a></b>		<b>25</b>	<b><a href="#">2/190</a></b>	
<a href="#">L5</a>	Description, Marks, and Numbers	1		Can Use
<a href="#">AT8</a>	Shipment Weight, Packaging and Quantity Data	1		Can Use

Summary:

<u>ID</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<a href="#">L3</a>	Total Weight and Charges	1			Can Use
<a href="#">SE</a>	Transaction Set Trailer	1			Must Use

Envelope Trailer:

<u>ID</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<a href="#">GE</a>	Functional Group Trailer	1			Must use
<a href="#">IEA</a>	Interchange Control Trailer	1			Must use

## Notes:

- 1/090 Segment G62 in header is used to convey the must-respond-by date and time when responding to a 204 transaction.
- 1/140 Loop 0100 is used to convey name and address detail relative to bill-to, party controlling freight, or other shipment level name and address information. It is not used to convey ship from or ship to detail which should be handled within loop 0300 in table 2.
- 2/040 Segment AT8 in loop 0300 is intended for the transmitting of total weight, quantity, and volume relative to the specific stop-off. Should weight, quantity, and volume also be sent in segment AT8 in loop 0320 and tied to commodity detail, then the accumulated amounts of weight, quantity, and volume in the AT8 segment in loop 0320 should equal the amounts in the single AT8 occurrence in loop 0300.
- 2/050 Use LAD segment in loop 0300 for all relative reference numbers. Use LAD segment either in loop 0300 or loop 0350, but not both.
- 2/140 The G61 segment in loop 0325 contains the person or company to be contacted by the carrier in case of a hazmat emergency.
- 2/150 Use loop 0350 for conveying seller's order/invoice level detail or buyer's purchase order level detail. If not using order level detail, this loop should not be used.
- 2/190 If sending order level detail within the 0350 loop, then use L5 and AT8 segments in loop 0360 to relay commodity detail. Otherwise, use L5 and AT8 segments within the 0320 loop to relay commodity detail. Use either loop 0320 or loop 0360, but not both.
- RLC** Segment terminators should be either a tilde (~) or hat (^).
- RLC-01** Text in the NTE02 element will be displayed to the terminal dispatcher.
- RLC-02** Loop 0100 is used to convey Bill-To information only. Use Loop 0310 to identify pickup and delivery locations.
- RLC-03** Loop 0300 is used to specify pickup and drop-off detail information, reference numbers and stop reason.  
At a minimum, two 0300 loops are required: one for the shipper (SH or SF), and one for the consignee (CN or ST).
- RLC-04** Total shipment pieces and weight for this stop-off location should be transmitted in either the AT8 segment or LAD segment in the 0300 loop.
- RLC-05** Loop 0310 is used to identify the party type, name, contact, and location relative to this stop-off location.
- RLC-06** Loop 0320 is used to identify commodity detail line items or hazardous material items in terms of description, pieces and weight, and classification relative to this stop-off location. If used, the accumulated amounts of weight, quantity, and volume in the AT8 segment in loop 0320 should equal the amounts in the single AT8 occurrence in loop 0300.
- RLC-07** Loop 0325 is to identify a person or office to whom communications should be directed for a hazmat accident involving this hazardous material shipment.
- RLC-08** Loop 0330 is used to specify the hazardous commodity identification and classification reference numbers, shipping name, and any additional information required for this shipment.

[Appendix A](#)  
[Appendix B](#)

Loop Description and Usage  
Sample 204 Documents

# ISA Interchange Control Header

Max: 1
Loop: N/A Elements: 16

To start and identify an interchange of zero or more functional groups and interchange-related control segments.

**Usage:** Must use

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
ISA01	I01	<b>Authorization Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Authorization Information. <b>All valid standard codes are used.</b>	ID	2/2	Must use
ISA02	I02	<b>Authorization Information</b> <b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01).	AN	10/10	Must use
ISA03	I03	<b>Security Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Security Information. <b>All valid standard codes are used.</b>	ID	2/2	Must use
ISA04	I04	<b>Security Information</b> <b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03).	AN	10/10	Must use
ISA05	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. <b>All valid standard codes are used.</b>	ID	2/2	Must use
ISA06	I06	<b>Interchange Sender ID</b> <b>Description:</b> 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.	AN	15/15	Must use
ISA07	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. <b>The constant "02" shall always be used when sending to R+L Carriers.</b>	ID	2/2	Must use
ISA08	I07	<b>Interchange Receiver ID</b> <b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them. <b>The value "RNLO" shall always be used when sending to R+L Carriers.</b>	AN	15/15	Must use
ISA09	I08	<b>Interchange Date</b> <b>Description:</b> Date of the interchange.	DT	6/6	Must use

ISA10	I09	<b>Format: YYMMDD</b> <b>Interchange Time</b> <b>Description:</b> Time of the interchange.	TM	4/4	Must use
ISA11	I10	<b>Format: HHMM</b> <b>Interchange Control Standards Identifier</b> <b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>The constant "U" shall always be used when sending to R+L Carriers.</b>	ID	1/1	Must use
ISA12	I11	<b>Interchange Control Version Number</b> <b>Description:</b> Code specifying the version number of the interchange control segments. <b>The value "00401" shall always be used when sending to R+L Carriers.</b>	ID	5/5	Must use
ISA13	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	NO	9/9	Must use
ISA14	I13	<b>Acknowledgment Requested</b> <b>Description:</b> Code sent by the sender to request an interchange acknowledgment (997).	ID	1/1	Must use
ISA15	I14	<b>Usage Indicator</b> <b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information.	ID	1/1	Must use

<u>Recognized Codes</u>	
T	Test
P	Production

ISA16	I15	<b>Component Element Separator</b> <b>Description:</b> The component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator.		1/1	Must use
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# GS Functional Group Header

Max: 1
Loop: N/A Elements: 8

Indicates the beginning of a functional group and to provide control information.

**Usage:** Must use

## Element Summary:

Ref	Id	Element Name	Type	Min/Max	Element Usage
GS01	479	<b>Functional Identifier Code</b> <b>Description:</b> Code identifying a group of application related transaction sets. <i>The constant "SM" shall always be used when sending to R+L Carriers.</i>	ID	2/2	Must use
GS02	142	<b>Application Sender's Code</b> <b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners.	AN	2/15	Must use
GS03	124	<b>Application Receiver's Code</b> <b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners. <i>The value "RNLO" shall always be used when sending to R+L Carriers.</i>	AN	2/15	Must use
GS04	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD. <b>Note: This field is the date the request was sent to R+L Carriers.</b>	DT	8/8	Must use
GS05	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD. <b>Note: This field is the time the request was sent to R+L Carriers.</b>	TM	4/8	Must use
GS06	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	NO	1/9	Must use
GS07	455	<b>Responsible Agency Code</b> <b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480. <i>The constant "X" shall always be used when sending to R+L Carriers.</i>	ID	1/2	Must use
GS08	480	<b>Version / Release / Industry Identifier Code</b> <b>Description:</b> Code indicating the version of the EDI standard being used. <i>The constant "004010" shall always be used when sending to R+L Carriers.</i>	AN	1/12	Must use

## Semantics:

- GS04 is the group date.
- GS05 is the group time.
- The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.



**Comments:**

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

# ST Transaction Set Header

Max: 1  
Loop: N/A Elements: 2

Indicates the start of a transaction set and to assign a control number.

**Usage:** Must use

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
ST01	143	<b>Transaction Set Identifier Code</b> <b>Description:</b> Code uniquely identifying a Transaction Set <b>All valid standard codes are used.</b>	ID	3/3	Must use
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	AN	4/9	Must use

**Semantics:**

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

# B2 Beginning Segment for Shipment Information Transaction

Max: 1  
Loop: N/A Elements: 2

To transmit basic data relating to shipment information.

Usage: Must use

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
B201	375	<b>Tariff Service Code</b> <b>Description:</b> Code specifying the types of services for rating purposes <b>All valid standard codes are used.</b>	ID	2/2	Can Use
B202	140	<b>Standard Carrier Alpha Code</b> <b>Description:</b> Standard Carrier Alpha Code <i>The value "RNLO" shall always be used when sending to R+L Carriers.</i>	ID	2/4	Can Use
B203	154	<b>Standard Point Location Code</b> <b>Description:</b> Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	ID	6/9	Can Use
B204	145	<b>Shipment Identification Number</b> <b>Description:</b> Identification number assigned to the shipment by the shipper that <b>uniquely</b> identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	AN	1/30	Must Use
B205	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit <b>All valid standard codes are used.</b>	ID	1/1	Can Use
B206	146	<b>Shipment Method of Payment</b> <b>Description:</b> Code identifying payment terms for transportation charges	ID	2/2	Must Use

**Recognized Codes**

CC Collect  
PP Prepaid  
TP Third Party Pay

# B2A Set Purpose

Max: 1  
Loop: N/A Elements: 2

To allow for positive identification of the transaction purpose.

**Usage:** Must use

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
B2A01	353	<b>Transaction Set Purpose Code</b> <b>Description:</b> Code identifying purpose of transaction set.	ID	2/2	Must use

Recognized Codes

00	Original (Load Tender)
01	Cancel Load Tender
03	Delete (Cancel) Load Tender
04	Change Load Tender
05	Replace Load Tender
13	Rate Quote Request
15	Resubmission
16	Proposed (Load Tender)
17	Cancel, To Be Reissued
18	Reissue
54	Approval
56	Expiration Notification
BL	Bill of Lading Only
ZZ	Load Tender + Bill of Lading

**Note: To cancel a load tender submitted via EDI, you must call your local R+L Carriers' toll free number.**

B2A02	346	<b>Application Type</b> <b>Description:</b> Code identifying an application.	ID	2/2	Can Use
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Recognized Codes

FR	Freight Tender
LT	Load Tender (Truckload)
ZZ	Load Tender (LTL)

**Note: R+L Carriers is an LTL only carrier. All load tenders are considered LTL regardless of the code used.**

# L11 Business Instructions and Reference Number

Max: 50  
Loop: N/A Elements: 3

To specify instructions in this business relationship or a reference number. Information included here is global and applies to all drop-off locations contained within this transaction set.

Usage: Used

## Element Summary:

Ref	Id	Element Name	Type	Min/Max	Element Usage
L1101	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier.	AN	1/30	Must Use
L1102	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification.	ID	2/3	Must Use

Recognized Codes	
BM	Shipper's Bill of Lading Number
CN	Carrier's Reference Number (PRO)
CO	Customer's Order Number
CR	Customer's Reference Number
IT	Internal Customer Number
MB	Master Bill of Lading
P8	Pickup Reference Number
PO	Purchase Order Number
SO	Shipper's Order (Invoice) Number
ZZ	Mutually Defined

**Note: If R+L Carriers' PRO number is known at the time of the request submission, it must be provided using the CN code.**

L1103	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	AN	1/80	Can Use
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# G62 Date/Time

Max: 1  
Loop: N/A Elements: 5

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

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
G6201	432	<b>Date Qualifier</b> <b>Description:</b> Code specifying type of date.	ID	2/2	Must Use
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p><u>Recognized Codes</u></p> <p>64 Must Respond By Date</p> </div>					
G6202	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	DT	8/8	Must Use
G6203	176	<b>Time Qualifier</b> <b>Description:</b> Code specifying the reported time.	ID	1/2	Can Use
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p><u>Recognized Codes</u></p> <p>1 Must Respond By Time</p> </div>					
G6204	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD.	TM	4/8	Can Use
G6205	623	<b>Time Code</b> <b>Description:</b> Code identifying the time.	ID	2/2	Can Use

Recognized Codes

ES	Eastern Standard
ED	Eastern Daylight
CS	Central Standard
CD	Central Daylight
MS	Mountain Standard
MD	Mountain Daylight
PS	Pacific Standard
PD	Pacific Daylight

**Note: If G6205 is not used, Time Code is assumed to be the time zone for the shipper's zip code.**

## Syntax:

1. R0103 - At least one of G6201, G6203 is required.
2. P0102 - If either of G6201, G6202 is used, then both are required.
3. P0304 - If either of G6203, G6204 is used, then both are required.

# MS3 Interline Information

Max: 1
Loop: N/A Elements: 5

To identify the interline carrier and relevant data.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>								
MS301	140	<b>Standard Carrier Alpha Code</b> <b>Description:</b> Standard Carrier Alpha Code.	ID	2/4	Must use								
MS302	133	<b>Routing Sequence Code</b> <b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement.	ID	1/2	Must use								
<table border="1"> <tr> <td colspan="2"><u>Recognized Codes</u></td> </tr> <tr> <td><b>B</b></td> <td><b>Origin/Delivery Carrier (any mode)</b></td> </tr> <tr> <td><b>Z</b></td> <td><b>Mutually Defined</b></td> </tr> </table>						<u>Recognized Codes</u>		<b>B</b>	<b>Origin/Delivery Carrier (any mode)</b>	<b>Z</b>	<b>Mutually Defined</b>		
<u>Recognized Codes</u>													
<b>B</b>	<b>Origin/Delivery Carrier (any mode)</b>												
<b>Z</b>	<b>Mutually Defined</b>												
MS303	19	<b>City Name</b> <b>Description:</b> Free-form text for city name.	AN	2/30	Can Use								
MS304	91	<b>Transportation Method/Type Code</b> <b>Description:</b> Code specifying the method or type of transportation for the shipment.	ID	1/2	Can Use								
<table border="1"> <tr> <td colspan="2"><u>Recognized Codes</u></td> </tr> <tr> <td><b>LT</b></td> <td><b>Less Than Truckload (LTL)</b></td> </tr> <tr> <td><b>M</b></td> <td><b>Motor (Common Carrier)</b></td> </tr> <tr> <td><b>ZZ</b></td> <td><b>Mutually Defined</b></td> </tr> </table>						<u>Recognized Codes</u>		<b>LT</b>	<b>Less Than Truckload (LTL)</b>	<b>M</b>	<b>Motor (Common Carrier)</b>	<b>ZZ</b>	<b>Mutually Defined</b>
<u>Recognized Codes</u>													
<b>LT</b>	<b>Less Than Truckload (LTL)</b>												
<b>M</b>	<b>Motor (Common Carrier)</b>												
<b>ZZ</b>	<b>Mutually Defined</b>												
MS305	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency.	ID	2/2	Can Use								

## Syntax:

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

## Semantics:

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

# AT5 Bill of Lading Handling Requirements

Max: 6  
Loop: N/A Elements: 1

Identifies Bill of Lading handling and service requirements. Information included here is global and applies to all drop-off locations contained within this transaction set.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
AT501	152	<b>Special Handling Code</b> Description: Code specifying special transportation handling instructions.	ID	2/3	Must Use
<div style="border: 1px solid black; padding: 5px;"> <u>Recognized Codes</u>                      AGG Aggregate Tender Discount                      DNF Do Not Freeze                      FR Fragile – Handle With Care                      IDL Inside Delivery                      IPU Inside Pickup                      NC Notify Consignee Before Delivery                      TPS Third Party Service                      URC Lift Gate                      ZZZ Mutually Defined                 </div>					
AT502	560	<b>Special Services Code</b> Description: Code identifying the special service.	ID	2/10	Can Use
<div style="border: 1px solid black; padding: 5px;"> <u>Recognized Codes</u>                      CC Carrier Unload                      CD COD Request                      DV Declared Value                      ID Inside Delivery                      RD Residential Delivery                      ZZ Mutually Defined                 </div>					
AT503	153	<b>Special Handling Description</b> Description: Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate.  Note: If AT502 = "CD", then AT503 is the COD amount. If AT502 = "DV", then AT503 is the Declared Value amount.	AN	2/30	Can Use



# PLD Pallet Information

Max: 1
Loop: N/A Elements: 4

To specify pallet information including quantity, exchange, and weight.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
PLD01	406	<b>Quantity of Pallets Shipped</b> <b>Description:</b> Number of pallets shipped.	N0	1/3	Must use
PLD02	399	<b>Pallet Exchange Code</b> <b>Description:</b> Code specifying pallet exchange instructions.	ID	1/1	Can Use
PLD03	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit.	ID	1/1	Can Use

### Recognized Codes

<b>E</b>	<b>Metric Ton</b>
<b>K</b>	<b>Kilograms</b>
<b>L</b>	<b>Pounds</b>
<b>S</b>	<b>Short Ton</b>
<b>T</b>	<b>Long Ton</b>

PLD04	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	R	1/10	Can Use
-------	----	---	---	------	---------

## Syntax:

1. P0304 - If either of PLD03, PLD04 is used, then both are required.

# NTE Note/Special Instruction

Max: 10
Loop: N/A Elements: 2

To transmit information in a free-form format, if necessary, for comment or special instruction. Information included here is global and applies to all drop-off locations contained within this transaction set.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>						
NTE01	363	<b>Note Reference Code</b> <b>Description:</b> Code identifying the functional area or purpose for which the note applies.	ID	3/3	Can Use						
<table border="1"> <tr> <td colspan="2"><b>Recognized Codes</b></td> </tr> <tr> <td><b>GEN</b></td> <td><b>Entire Transaction Set</b></td> </tr> <tr> <td><b>ZZZ</b></td> <td><b>Entire Transaction Set</b></td> </tr> </table>						<b>Recognized Codes</b>		<b>GEN</b>	<b>Entire Transaction Set</b>	<b>ZZZ</b>	<b>Entire Transaction Set</b>
<b>Recognized Codes</b>											
<b>GEN</b>	<b>Entire Transaction Set</b>										
<b>ZZZ</b>	<b>Entire Transaction Set</b>										
NTE02	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	AN	1/80	Must use						

## Comments:

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

# Loop 0100

Repeat: 5	Elements: N/A
Loop: 0100	

Loop 0100 is used to convey name and address detail relative to bill-to name and address information. It is not used to convey ship from or ship to detail which should be handled within loop 0300.

**Usage:** Optional

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Element Usage</u>
140	N1	Name	1		Must Use
150	N2	Additional Name Information	1		Can Use
160	N3	Address Information	2		Must Use
170	N4	Geographic Location	1		Must Use
180	L11	Business Instructions and Reference Number	1		Can Use
190	G61	Contact	3		Must Use

# N1

## Name

Max: 1  
Loop: 0100 Elements: 4

To identify bill-to party by type of organization, name, and code.

**Usage:** Used

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
N101	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual.	ID	2/3	Must use
<div style="border: 1px solid black; padding: 5px;"> <p><u>Recognized Codes</u></p> <p><b>BT</b>      <b>Bill To</b></p> </div>					
N102	93	<b>Name</b> <b>Description:</b> Free-form name	AN	1/60	Must Use
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code.	ID	1/2	Must Use
<div style="border: 1px solid black; padding: 5px;"> <p><u>Recognized Codes</u></p> <p><b>1</b>      <b>DUNS</b></p> <p><b>2</b>      <b>SCAC</b></p> <p><b>9</b>      <b>DUNS +4</b></p> <p><b>93</b>     <b>Code Assigned by</b>                               <b>Organization Originating</b>                               <b>Transaction Set</b></p> <p><b>ZZ</b>     <b>Mutually Defined</b></p> </div>					
N104	98	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	AN	2/80	Must Use

### Syntax:

1. R0203 – At least one of N102, N103 is required.
2. P0304 – If either of N103, N104 is used, then both are required.

### Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification.

# N2

## Additional Name Information

Max: 1 Loop: 0100    Elements: 2
-------------------------------------

To specify additional bill-to names or those longer than 35 characters in length.

**Usage:** Used

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
N201	93	<b>Name</b> Description: Free-form name	AN	1/60	Must use
N202	93	<b>Name</b> Description: Free-form name	AN	1/60	Can Use

# N3 Address Information

Max: 2
Loop: 0100 Elements: 2

To specify the location of the bill-to party.

**Usage:** Must Use

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
N301	166	<b>Address Information</b> <b>Description:</b> Address information	AN	1/55	Must use
N302	166	<b>Address Information</b> <b>Description:</b> Address information	AN	1/55	Can Use

# N4 Geographic Location

Max: 1
Loop: 0100 Elements: 6

To specify the geographic place of the bill-to party.

**Usage:** Must Use

## Element Summary:

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

## Comments:

1. N402 is required if city name (N401) is in the U.S. or Canada.

# L11 Business Instructions and Reference Number

Max: 50  
Loop: 0100 Elements: 3

To specify instructions in this business relationship or a reference number that apply to this stop-off only.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
L1101	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	AN	1/30	Must Use
L1102	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification.	ID	2/3	Must Use
<div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p><b>Recognized Codes</b></p> <p><b>BM</b> Shipper's Bill of Lading Number</p> <p><b>CN</b> Carrier's Reference Number (PRO)</p> <p><b>CO</b> Customer's Order Number</p> <p><b>CR</b> Customer's Reference Number</p> <p><b>IT</b> Internal Customer Number</p> <p><b>MB</b> Master Bill of Lading Number</p> <p><b>P8</b> Pickup Reference Number</p> <p><b>PO</b> Purchase Order Number</p> <p><b>SO</b> Shipper's Order (Invoice) Number</p> <p><b>ZZ</b> Mutually Defined</p> </div>					
L1103	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	AN	1/80	Can Use

## Syntax:

1. R0103 - At least one of L1101, L1103 is required.
2. P0102 - If either of L1101, L1102 is used, then both are required.



# G61 Contact

**Max: 3**  
**Loop: 0100 Elements: 5**

To identify a person or office to whom bill-to communications should be directed.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
G6101	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named.	ID	2/2	Must use
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <u>Recognized Codes</u>                      BT Bill To                 </div>					
G6102	93	<b>Name</b> <b>Description:</b> Free-form name	AN	1/60	Must use
G6103	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number.	ID	2/2	Must Use
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <u>Recognized Codes</u>                      TE Telephone                 </div>					
G6104	364	<b>Communication Number</b> <b>Description:</b> Complete telephone number including area code.	AN	1/80	Must Use
G6105	443	<b>Contact Inquiry Reference</b> <b>Description:</b> Additional reference number or description to clarify a contact number.	AN	1/20	Can Use

## Syntax:

1. P0304 - If either of G6103, G6104 is used, then both are required.

## Comments:

1. G6103 qualifies G6104.

# Loop 0200

<b>Repeat: 10</b> <b>Loop: 0200</b> <b>Elements: N/A</b>
---

To identify equipment needed for shipment.

**Usage:** Optional

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Element Usage</u>
200	N7	Equipment Details	1		Can Use

# N7 Equipment Details

Max: 1  
Loop: 0200 Elements: 15

To identify special equipment needed.

**Usage:** Used

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
N701	206	<b>Equipment Initial</b> <b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number.	AN	1/4	Can Use
N702	207	<b>Equipment Number</b> <b>Description:</b> Sequencing or serial part of an equipment unit's identifying number.	AN	1/10	Must Use
N703	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	R	1/10	Can Use
N704	187	<b>Weight Qualifier</b> <b>Description:</b> Sequencing or serial part of an equipment unit's identifying number.	ID	1/2	Can Use
N705	167	<b>Tare Weight</b> <b>Description:</b> Weight of the equipment.	N0	3/8	Can Use
N706	232	<b>Weight Allowance</b> <b>Description:</b> Allowance made for increased weight.	N0	2/6	Can Use
N707	205	<b>Dunnage</b> <b>Description:</b> Weight of material used to protect lading.	N0	1/6	Can Use
N708	183	<b>Volume</b> <b>Description:</b> Value of volumetric measure.	R	1/8	Can Use
N709	184	<b>Volume Unit Qualifier</b> <b>Description:</b> Code identifying the volume unit.	ID	1/1	Can Use
N710	102	<b>Ownership Code</b> <b>Description:</b> Code indicating the relationship of equipment to carrier or ownership of equipment.	ID	1/1	Can Use
N711	40	<b>Equipment Description Code</b> <b>Description:</b> Code identifying type of equipment used for shipment.	ID	2/2	Can Use
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p><u>Recognized Codes</u> TF Trailer (Dry Freight)</p> </div>					
N712	140	<b>Standard Carrier Alpha Code</b> <b>Description:</b> Standard Carrier Alpha Code	ID	2/4	Can Use
N713	319	<b>Temperature Control</b> <b>Description:</b> Free-form abbreviation of temperature range or flash-point temperature.	AN	3/6	Can Use
N714	219	<b>Position</b> <b>Description:</b> Relative position of shipment in trailer or container.	AN	1/3	Can Use
N715	567	<b>Equipment Length</b> <b>Description:</b> Length (in feet and inches) of equipment ordered or used to transport shipment. (The format is FFFII where FFF is feet and II is inches.)	N0	4/5	Can Use

# Loop 0300

**Repeat: 999**  
**Loop: 0300 Elements: N/A**

To specify pickup and drop-off detail information, reference numbers and stop reason.

At a minimum, two 0300 loops are required: one for the shipper (SH/SF), and one for the consignee (CN/ST).

**Usage:** Required

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Element Usage</u>
010	S5	Stop Off Details	1		Must use
020	L11	Business Instructions and Reference Number	50		Can Use
030	G62	Date/Time	2		Must use
040	AT8	Shipment Weight, Packaging and Quantity Data	1		Must use
050	LAD	Lading Detail	999		Can Use
060	AT5	Bill of Lading Handling Requirements	6		Can Use
063	PLD	Pallet Information	1		Can Use
065	NTE	Note/Special Instructions	20		Can Use
070		Loop 0310		1	Can Use
130		Loop 0320		99	Can Use
150		Loop 0350		999	Can Use
210		Loop 0360		99	Can Use

# S5 Stop Off Details

Max: 1  
Loop: 0300 Elements: 8

To specify pickup and stop-off detail reference numbers and stop reason.

**Usage:** Must use

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
S501	165	<b>Stop Sequence Number</b> <b>Description:</b> Identifying number for the specific stop and the sequence in which the stop is to be performed.	NO	1/3	Must use
S502	163	<b>Stop Reason Code</b> <b>Description:</b> Code specifying the reason for the stop.	ID	2/2	Must use
<div style="border: 1px solid black; padding: 5px;"> <p><u>Recognized Codes</u></p> <p>CL Complete Load</p> <p>CU Complete Unload</p> <p>PU Part Unload</p> <p>LD Load</p> </div>					
S503	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	R	1/10	Can Use
S504	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit.	ID	1/1	Can Use
<div style="border: 1px solid black; padding: 5px;"> <p><u>Recognized Codes</u></p> <p>E Metric Ton</p> <p>K Kilograms</p> <p>L Pounds</p> <p>S Short Ton</p> <p>T Long Ton</p> </div>					
S505	382	<b>Number of Units Shipped</b> <b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set.	R	1/10	Can Use
S506	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.	ID	2/2	Can Use
S507	183	<b>Volume</b> <b>Description:</b> Value of volumetric measure.	R	1/8	Can Use
S508	184	<b>Volume Unit Qualifier</b> <b>Description:</b> Code identifying the volume unit.	ID	1/1	Can Use

## Syntax:

1. P0304 - If either of S503, S504 is used, then both are required.
2. P0506 - If either of S505, S506 is used, then both are required.

# L11 Business Instructions and Reference Number

Max: 50  
Loop: 0300 Elements: 3

To specify instructions in this business relationship or a reference number that apply to this stop-off only.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
L1101	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	AN	1/30	Must Use
L1102	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification.	ID	2/3	Must Use
<div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p><u>Recognized Codes</u></p> <p><b>BM</b> Shipper's Bill of Lading Number  <b>CN</b> Carrier's Reference Number (PRO)  <b>CO</b> Customer's Order Number  <b>CR</b> Customer's Reference Number  <b>IT</b> Internal Customer Number  <b>MB</b> Master Bill of Lading Number  <b>P8</b> Pickup Reference Number  <b>PO</b> Purchase Order Number  <b>SO</b> Shipper's Order (Invoice) Number  <b>ZZ</b> Mutually Defined</p> </div>					
L1103	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	AN	1/80	Can Use

## Syntax:

1. R0103 - At least one of L1101, L1103 is required.
2. P0102 - If either of L1101, L1102 is used, then both are required.

# G62 Date/Time

Max: 2  
Loop: 0300 Elements: 5

To specify pertinent dates and times as related to this stop-off location.

**Usage:** Must Use

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
G6201	432	<b>Date Qualifier</b> <b>Description:</b> Code specifying type of date.	ID	2/2	Must Use
<div style="border: 1px solid black; padding: 5px;"> <p><u>Recognized Codes</u></p> <p>10 Requested Ship/Pickup Date</p> <p>37 Ship Not Before Date</p> <p>38 Ship No Later Than Date</p> <p>69 Scheduled Pickup Date</p> <p>79 Pickup Requested Scheduled Date</p> </div>					
G6202	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	DT	8/8	Must Use
G6203	176	<b>Time Qualifier</b> <b>Description:</b> Code specifying the reported time.	ID	1/2	Can Use
<div style="border: 1px solid black; padding: 5px;"> <p><u>Recognized Codes</u></p> <p>I Earliest Requested Pickup Time</p> <p>Y Requested Pickup Time</p> <p>U Scheduled Pickup Time</p> <p>EP Earliest Pickup Time</p> <p>4 Pickup Requested Scheduled Time</p> <p>K Latest Requested Pickup Time</p> <p>LP Latest Pickup Time</p> </div>					
G6204	337	<b>Time</b> <b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD.	TM	4/8	Can Use
G6205	623	<b>Time Code</b> <b>Description:</b> Code identifying the time.	ID	2/2	Can Use
<div style="border: 1px solid black; padding: 5px;"> <p><u>Recognized Codes</u></p> <p>ES Eastern Standard</p> <p>ED Eastern Daylight</p> <p>CS Central Standard</p> <p>CD Central Daylight</p> <p>MS Mountain Standard</p> <p>MD Mountain Daylight</p> <p>PS Pacific Standard</p> <p>PD Pacific Daylight</p> </div>					
<p><b>Note: If G6205 is not used, Time Code is assumed to be the time zone for this organization's zip code.</b></p>					

## Syntax:

1. R0103 - At least one of G6201, G6203 is required.

2. P0102 - If either of G6201, G6202 is used, then both are required.
3. P0304 - If either of G6203, G6204 is used, then both are required.



# AT8 Shipment Weight, Packaging and Quantity Data

Max: 1  
Loop: 0300 Elements: 5

To specify shipment details in terms of weight, and quantity of handling units that apply to this stop-off location.

Usage: Must Use

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>												
AT801	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight.	ID	1/2	Must Use												
<table border="1"> <tr> <td colspan="2"><u>Recognized Codes</u></td> </tr> <tr> <td>G</td> <td>Gross Weight</td> </tr> </table>						<u>Recognized Codes</u>		G	Gross Weight								
<u>Recognized Codes</u>																	
G	Gross Weight																
AT802	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit.	ID	1/1	Must Use												
<table border="1"> <tr> <td colspan="2"><u>Recognized Codes</u></td> </tr> <tr> <td>E</td> <td>Metric Ton</td> </tr> <tr> <td>K</td> <td>Kilograms</td> </tr> <tr> <td>L</td> <td>Pounds</td> </tr> <tr> <td>S</td> <td>Short Ton</td> </tr> <tr> <td>T</td> <td>Long Ton</td> </tr> </table>						<u>Recognized Codes</u>		E	Metric Ton	K	Kilograms	L	Pounds	S	Short Ton	T	Long Ton
<u>Recognized Codes</u>																	
E	Metric Ton																
K	Kilograms																
L	Pounds																
S	Short Ton																
T	Long Ton																
AT803	81	<b>Weight</b> <b>Description:</b> Numeric value of weight	R	1/10	Must Use												
AT804	80	<b>Lading Quantity – Not Unitized</b> <b>Description:</b> Number of units (pieces) of the lading commodity that is not unitized, i.e. carton.	N0	1/7	Must Use												
AT805	80	<b>Lading Quantity - Unitized</b> <b>Description:</b> Number of units (pieces) of the lading commodity that is unitized, i.e. palletized.	N0	1/7	Must Use												
AT806	184	<b>Volume Unit Qualifier</b> <b>Description:</b> Code identifying the volume unit.	ID	1/1	Can Use												
AT807	183	<b>Volume</b> <b>Description:</b> Value of volumetric measure.	R	1/8	Can Use												

## Syntax:

1. P010203 - If either of AT801, AT802, AT803 is used, then all are required.

## Semantics:

1. AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
2. AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

# LAD Lading Detail

Max: 999  
Loop: 0300 Elements:13

To transmit detailed lading data pertinent to a pickup or delivery. Use LAD segment either in loop 0300 or loop 0350, but not both.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
LAD01	211	<b>Packaging Form Code</b> <b>Description:</b> Code for packaging form of the lading quantity.	ID	3/3	Can Use

Recognized Codes

BDL Bundle  
BSK Basket  
BLK Bulk  
CAS Case  
CBY Carboy  
COL Coil  
DRM Drum  
PLT Pallet  
RCK Rack  
REL Reel  
ROL Roll  
SKD Skid  
TRU Truck  
TNK Tank  
TTC Tote  
UNT Unit

LAD02	80	<b>Lading Quantity</b> <b>Description:</b> Number of units (pieces) of the lading commodity.	N0	1/7	Can Use
-------	----	---	----	-----	---------

LAD03	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit.	ID	1/1	Can Use
-------	-----	---	----	-----	---------

Recognized Codes

E Metric Ton  
K Kilograms  
L Pounds  
S Short Ton  
T Long Ton

LAD04	395	<b>Unit Weight</b> <b>Description:</b> Numeric value of weight per unit.	R	1/8	Can Use
-------	-----	---	---	-----	---------

LAD05	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit.	ID	1/1	Can Use
-------	-----	---	----	-----	---------

Recognized Codes

E Metric Ton  
K Kilograms  
L Pounds  
S Short Ton  
T Long Ton

LAD06	81	<b>Weight</b>	R	1/10	Can Use
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LAD07	235	<b>Description:</b> Numeric value of weight. <b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	ID	2/2	Can Use
LAD08	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	AN	1/48	Can Use
LAD09	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	ID	2/2	Can Use
LAD10	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	AN	1/48	Can Use
LAD11	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>All valid standard codes are used.</b>	ID	2/2	Can Use
LAD12	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service.	AN	1/48	Can Use
LAD13	79	<b>Lading Description</b> <b>Description:</b> Description of an item as required for rating and billing purposes.	AN	1/50	Can Use

**Syntax:**

1. P0102 - If either of LAD01, LAD02 is used, then both are required.
2. P0304 - If either of LAD03, LAD04 is used, then both are required.
3. P0506 - If either of LAD05, LAD06 is used, then both are required.
4. P0708 - If either of LAD07, LAD08 is used, then both are required.
5. P0910 - If either of LAD09, LAD10 is used, then both are required.
6. P1112 - If either of LAD11, LAD12 is used, then both are required.

# AT5 Bill of Lading Handling Requirements

Max: 6  
Loop: 0300 Elements: 1

Identifies Bill of Lading handling and service requirements.

Usage: Used

## Element Summary:

Ref	Id	Element Name	Type	Min/Max	Element Usage
AT501	152	<b>Special Handling Code</b> <b>Description:</b> Code specifying special transportation handling instructions.	ID	2/3	Must Use

Recognized Codes	
AGG	Aggregate Tender Discount
DNF	Do Not Freeze
FR	Fragile – Handle With Care
IDL	Inside Delivery
IPU	Inside Pickup
NC	Notify Consignee Before Delivery
TPS	Third Party Service
URC	Lift Gate
ZZZ	Mutually Defined

AT502	560	<b>Special Services Code</b> <b>Description:</b> Code identifying the special service.	ID	2/10	Can Use
-------	-----	---	----	------	---------

Recognized Codes	
CC	Carrier Unload
CD	COD Request
DV	Declared Value
ID	Inside Delivery
RD	Residential Delivery
ZZ	Mutually Defined

AT503	153	<b>Special Handling Description</b> <b>Description:</b> Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate.	AN	2/30	Can Use
-------	-----	--	----	------	---------

**Note: If AT502 = "CD", then AT503 is the COD amount.**

**If AT502 = "DV", then AT503 is the Declared Value amount.**

# PLD Pallet Information

Max: 1
Loop: 0300 Elements: 4

To specify pallet information including quantity, exchange, and weight.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
PLD01	406	<b>Quantity of Pallets Shipped</b> <b>Description:</b> Number of pallets shipped.	NO	1/3	Must use
PLD02	399	<b>Pallet Exchange Code</b> <b>Description:</b> Code specifying pallet exchange instructions.	ID	1/1	Can Use
PLD03	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit.	ID	1/1	Can Use

<u>Recognized Codes</u>	
E	Metric Ton
K	Kilograms
L	Pounds
S	Short Ton
T	Long Ton

PLD04	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	R	1/10	Can Use
-------	----	---	---	------	---------

## Syntax:

1. P0304 - If either of PLD03, PLD04 is used, then both are required.

# NTE Note/Special Instruction

Max: 10
Loop: 0300 Elements: 2

To transmit information in a free-form format, if necessary, for comment or special instruction. Information included here is global and applies to all drop-off locations contained within this transaction set.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>						
NTE01	363	<b>Note Reference Code</b> <b>Description:</b> Code identifying the functional area or purpose for which the note applies.	ID	3/3	Can Use						
<table border="1"> <tr> <td colspan="2"><u>Recognized Codes</u></td> </tr> <tr> <td>GEN</td> <td>Entire Transaction Set</td> </tr> <tr> <td>ZZZ</td> <td>Entire Transaction Set</td> </tr> </table>						<u>Recognized Codes</u>		GEN	Entire Transaction Set	ZZZ	Entire Transaction Set
<u>Recognized Codes</u>											
GEN	Entire Transaction Set										
ZZZ	Entire Transaction Set										
NTE02	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	AN	1/80	Must use						

## Comments:

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

# Loop 0310

**Repeat: 1**  
**Loop: 0310**    **Elements: N/A**

To identify a party by type of organization, name, and code relative to this stop-off location.

**Usage:** Required

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
070	N1	Name	1		Must Use
080	N2	Additional Name Information	1		Can Use
090	N3	Address Information	2		Must Use
100	N4	Geographic Location	1		Must Use
120	G61	Contact	3		Must Use

# N1

# Name

Max: 1
Loop: 0310 Elements: 4

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

**Usage:** Must Use

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
N101	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual  <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <u>Recognized Codes</u>                      CN      Consignee                      SF      Ship From                      SH      Shipper                      ST      Ship To                 </div>	ID	2/3	Must use
N102	93	<b>Name</b> <b>Description:</b> Free-form name	AN	1/60	Must Use
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code.  <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <u>Recognized Codes</u>                      1      DUNS                      2      SCAC                      9      DUNS +4                      93     Code Assigned by                            Organization Originating                            Transaction Set                      ZZ     Mutually Defined                 </div>	ID	1/2	Must Use
N104	98	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code.	AN	2/80	Must Use

### Syntax:

1. R0203 – At least one of N102, N103 is required.
2. P0304 – If either of N103, N104 is used, then both are required.

### Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification.



# N2 Additional Name Information

<b>Max: 1</b> <b>Loop: 0310</b> <b>Elements: 2</b>
---

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

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
N201	93	<b>Name</b> <b>Description:</b> Free-form name	AN	1/60	Must use
N202	93	<b>Name</b> <b>Description:</b> Free-form name	AN	1/60	Can Use

# N3 Address Information

Max: 2
Loop: 0310 Elements: 2

To specify the street address location of the named party.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
N301	166	<b>Address Information</b> Description: Address information	AN	1/55	Must use
N302	166	<b>Address Information</b> Description: Address information	AN	1/55	Can Use

# N4 Geographic Location

Max: 1
Loop: 0310 Elements: 6

To specify the geographic location of the named party.

**Usage:** Must Use

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
N401	19	<b>City Name</b> <b>Description:</b> Free-form text for city name.	AN	2/30	Must Use
N402	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency.	ID	2/2	Must Use
N403	116	<b>Postal Code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	ID	3/15	Must Use
N405	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location.	ID	1/2	Can Use
N406	310	<b>Location Identifier</b> <b>Description:</b> Code that identifies a specific location.	AN	1/30	Can Use

## Comments:

1. N402 is required if city name (N401) is in the U.S. or Canada.

# G61 Contact

**Max: 3**  
**Loop: 0310 Elements: 5**

To identify a person or office to whom communications should be directed for this stop-off location.

**Usage:** Must Use

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
G6101	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named	ID	2/2	Must use
<div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <u>Recognized Codes</u>                      DC      Delivery Contact                      SH      Shipper Contact                 </div>					
G6102	93	<b>Name</b> <b>Description:</b> Free-form name.	AN	1/60	Must use
G6103	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number.	ID	2/2	Must use
<div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <u>Recognized Codes</u>                      TE      Telephone                 </div>					
G6104	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	AN	1/80	Must use
G6105	443	<b>Contact Inquiry Reference</b> <b>Description:</b> Additional reference number or description to clarify a contact number.	AN	1/20	Can Use

**Comments:**

1. G6103 qualifies G6104.

# Loop 0320

**Repeat: 99**  
**Loop: 0320**    **Elements: N/A**

To specify a hazardous material line item in terms of description, quantity, packaging, and marks and numbers relative to this stop-off location.

**Usage:** Optional

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
130	L5	Description, Marks and Numbers	1		Can Use
135	AT8	Shipment Weight, Packaging and Quantity Data	1		Can Use
140		Loop 0325		99	Can Use

# L5 Description, Marks and Numbers

Max: 3  
Loop: 0320 Elements:10

To specify the line item in terms of description, quantity, packaging, and marks and numbers. L503 is the NMFC designation of the freight, L509 is the freight class.

Usage: Used

## Element Summary:

Ref	Id	Element Name	Type	Min/Max	Element Usage
L501	213	<b>Lading Line Item Number</b> <b>Description:</b> Sequential line number for a lading item.	NO	1/3	Can Use
L502	79	<b>Lading Description</b> <b>Description:</b> Description of an item as required for rating and billing purposes.	AN	1/50	Can Use
L503	22	<b>Commodity Code (NMFC Number)</b> <b>Description:</b> NMFC number of the freight.	AN	1/30	Must Use
L504	23	<b>Commodity Code Qualifier</b> <b>Description:</b> Code identifying the commodity coding system used for Commodity Code.	ID	1/1	Must Use
<div style="border: 1px solid black; padding: 5px;"> <p><u>Recognized Codes</u> N NMFC Number</p> </div>					
L505	103	<b>Packaging Code</b> <b>Description:</b> Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required. <b>All valid standard codes are used.</b>	AN	3/5	Can Use
L506	87	<b>Marks and Numbers</b> <b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment.	AN	1/48	Can Use
L507	88	<b>Marks and Numbers Qualifier</b> <b>Description:</b> Code specifying the application or source of Marks and Numbers (87). <b>All valid standard codes are used.</b>	ID	1/2	Can Use
L508	23	<b>Commodity Code Qualifier</b> <b>Description:</b> Code identifying the commodity coding system used for Commodity Code.	ID	1/1	Can Use
<div style="border: 1px solid black; padding: 5px;"> <p><u>Recognized Codes</u> Z Freight Class</p> </div>					
L509	22	<b>Commodity Code (Freight Class)</b> <b>Description:</b> Freight class of the freight.	AN	1/30	Must Use
L510	595	<b>Compartment ID Code</b> <b>Description:</b> Code identifying the compartment in a compartmentalized tank car.	ID	1/1	Must Use

## Syntax:

1. P0304 - If either of L503, L504 is used, then both are required.
2. C0706 - If L507 is used, then L506 is required.

3. P0809 - If either of L508, L509 is used, then both are required.

**Comments:**

1. L502 may be used to send quantity information as part of the product description.

# AT8 Shipment Weight, Packaging and Quantity Data

Max: 1  
Loop: 0320 Elements: 5

To specify shipment details in terms of weight, and quantity of handling units that apply to this stop-off location.

Usage: Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>												
AT801	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight.	ID	1/2	Must Use												
<table border="1"> <tr> <td colspan="2"><u>Recognized Codes</u></td> </tr> <tr> <td>G</td> <td>Gross Weight</td> </tr> </table>						<u>Recognized Codes</u>		G	Gross Weight								
<u>Recognized Codes</u>																	
G	Gross Weight																
AT802	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit.	ID	1/1	Must Use												
<table border="1"> <tr> <td colspan="2"><u>Recognized Codes</u></td> </tr> <tr> <td>E</td> <td>Metric Ton</td> </tr> <tr> <td>K</td> <td>Kilograms</td> </tr> <tr> <td>L</td> <td>Pounds</td> </tr> <tr> <td>S</td> <td>Short Ton</td> </tr> <tr> <td>T</td> <td>Long Ton</td> </tr> </table>						<u>Recognized Codes</u>		E	Metric Ton	K	Kilograms	L	Pounds	S	Short Ton	T	Long Ton
<u>Recognized Codes</u>																	
E	Metric Ton																
K	Kilograms																
L	Pounds																
S	Short Ton																
T	Long Ton																
AT803	81	<b>Weight</b> <b>Description:</b> Numeric value of weight	R	1/10	Must Use												
AT804	80	<b>Lading Quantity – Not Unitized</b> <b>Description:</b> Number of units (pieces) of the lading commodity that is not unitized, i.e. carton.	N0	1/7	Must Use												
AT805	80	<b>Lading Quantity - Unitized</b> <b>Description:</b> Number of units (pieces) of the lading commodity that is unitized, i.e. palletized.	N0	1/7	Must Use												
AT806	184	<b>Volume Unit Qualifier</b> <b>Description:</b> Code identifying the volume unit.	ID	1/1	Can Use												
AT807	183	<b>Volume</b> <b>Description:</b> Value of volumetric measure.	R	1/8	Can Use												

## Syntax:

1. P010203 - If either of AT801, AT802, AT803 is used, then all are required.

## Semantics:

1. AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
2. AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.



# Loop 0325

Repeat: 99
Loop: 0325 Elements: N/A

To identify a person or office to whom communications should be directed for this hazardous material shipment.

**Usage:** Optional

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
140	G61	Contact	1		Must Use
142	LH6	Hazardous Certification	6		Can Use
143		Loop 0330		25	Can Use

# G61 Contact

Max: 1  
Loop: 0325 Elements: 5

To identify an emergency contact or office to whom communications should be directed regarding this hazardous material shipment.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
G6101	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named.	ID	2/2	Must use
<div style="border: 1px solid black; padding: 5px;"> <p><u>Recognized Codes</u></p> <p><b>HM</b>    <b>Hazardous Material Contact</b></p> </div>					
G6102	93	<b>Name</b> <b>Description:</b> Free-form name.	AN	1/60	Must use
G6103	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number.	ID	2/2	Must use
<div style="border: 1px solid black; padding: 5px;"> <p><u>Recognized Codes</u></p> <p><b>TE</b>    <b>Telephone</b></p> </div>					
G6104	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable.	AN	1/80	Must use
G6105	443	<b>Contact Inquiry Reference</b> <b>Description:</b> Additional reference number or description to clarify a contact number.	AN	1/20	Can Use

## Comments:

1. G6103 qualifies G6104.

# LH6 Hazardous Certification

Max: 6
Loop: 0325 Elements: 4

To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
LH601	93	<b>Name</b> <b>Description:</b> Free-form name.	AN	1/60	Can Use
LH602	272	<b>Hazardous Certification Code</b> <b>Description:</b> Code indicating the form of the hazardous certification. <b>All valid standard codes are used.</b>	ID	1/1	Can Use
LH603	273	<b>Hazardous Certification Declaration</b> <b>Description:</b> Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations.	AN	1/25	Can Use
LH604	273	<b>Hazardous Certification Declaration</b> <b>Description:</b> Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations.	AN	1/25	Can Use

## Syntax:

1. P0203 - If either of LH602, LH603 is used, then both are required.

# Loop 0330

Repeat: 25	Elements: N/A
Loop: 0330	

To specify the hazardous commodity identification reference number and quantity.

**Usage:** Optional

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
143	LH1	Hazardous Identification Information	1		Must Use
144	LH2	Hazardous Classification Information	4		Can Use
145	LH3	Hazardous Material Shipping Name	10		Can Use
146	LFH	Freeform Hazardous Material Information	20		Can Use

# LH1 Hazardous Identification Information

Max: 1  
Loop: 0330 Elements: 10

To specify the hazardous commodity identification reference number and quantity.

Usage: Must Use

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
LH101	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.	ID	2/2	Must use
LH102	80	<b>Lading Quantity</b> <b>Description:</b> Number of units (pieces) of the lading commodity.	NO	1/7	Must use
LH103	277	<b>UN/NA Identification Code</b> <b>Description:</b> 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.	ID	6/6	Must Use
LH104	200	<b>Hazardous Materials Page</b> <b>Description:</b> The United Nations page number as required for the international transport of hazardous materials.	AN	1/6	Can Use
LH105	22	<b>Commodity Code</b> <b>Description:</b> Code describing a commodity or group of commodities.	AN	1/30	Ignored
LH106	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. <b>All valid standard codes are used.</b>	ID	2/2	Ignored
LH107	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	R	1/15	Ignored
LH108	595	<b>Compartment ID Code</b> <b>Description:</b> Code identifying the compartment in a compartmentalized tank car. <b>All valid standard codes are used.</b>	ID	1/1	Ignored
LH109	665	<b>Residue Indicator Code</b> <b>Description:</b> Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded. <b>All valid standard codes are used.</b>	ID	1/1	Ignored
LH110	254	<b>Packing Group Code</b> <b>Description:</b> Code indicating degree of danger in terms of Roman number I, II or III.	ID	1/3	Must Use

**Recognized Codes**

- I Group I
- II Group II
- III Group III

**Comments:**

1. LH101 and LH102 are used to convey the number and type of packages for bulk and non-bulk movements.

# LH2 Hazardous Classification Information

Max: 4 Loop: 0330 Elements: 11
-----------------------------------

**Usage:** Used

To specify the hazardous notation and endorsement information.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
LH201	215	<b>Hazardous Classification</b> <b>Description:</b> The hazardous classification corresponding to the shipping name of the hazardous commodity	ID	1/30	Can Use
LH202	983	<b>Hazardous Class Qualifier</b> <b>Description:</b> Code qualifying hazardous class <b>All valid standard codes are used.</b>	ID	1/1	Can Use
LH203	218	<b>Hazardous Placard Notation</b> <b>Description:</b> The placard notation corresponding to the hazard class of the hazardous commodity	ID	14/40	Can Use
LH204	222	<b>Hazardous Endorsement</b> <b>Description:</b> The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	ID	4/25	Can Use
LH205	759	<b>Reportable Quantity Code</b> <b>Description:</b> Code to identify presence of hazardous substance <b>All valid standard codes are used.</b>	ID	2/2	Can Use
LH206	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	ID	2/2	Can Use
LH207	408	<b>Temperature</b> <b>Description:</b> Temperature	R	1/4	Can Use
LH208	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	ID	2/2	Can Use
LH209	408	<b>Temperature</b> <b>Description:</b> Temperature	R	1/4	Can Use
LH210	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	ID	2/2	Can Use
LH211	408	<b>Temperature</b> <b>Description:</b> Temperature	R	1/4	Can Use

## Syntax:

1. P0607 - If either of LH206, LH207 is used, then both are required.
2. P0809 - If either of LH208, LH209 is used, then both are required.
3. P1011 - If either of LH210, LH211 is used, then both are required.

## Semantics:

1. LH206 and LH207 indicate the flashpoint temperature.
2. LH208 and LH209 indicate the control temperature.
3. LH210 and LH211 indicate the emergency temperature.



# LH3 Hazardous Material Shipping Name

Max: 10 Loop: 0330 Elements: 4
-----------------------------------

**Usage:** Used

To specify the hazardous material shipping name and additional descriptive requirements.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
LH301	224	<b>Hazardous Material Shipping Name</b> <b>Description:</b> The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49	AN	1/25	Can Use
LH302	984	<b>Hazardous Material Shipping Name Qualifier</b> <b>Description:</b> Qualifier indicating the source (regulatory) of the proper shipping name <b>All valid standard codes are used.</b>	ID	1/1	Can Use
LH303	985	<b>N.O.S. Indicator Code</b> <b>Description:</b> Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified <b>All valid standard codes are used.</b>	ID	3/3	Can Use
LH304	1073	<b>Yes/No Condition or Response Code</b> <b>Description:</b> Code indicating a Yes or No condition or response <b>All valid standard codes are used.</b>	ID	1/1	Can Use

## Syntax:

1. P0102 - If either of LH301, LH302 is used, then both are required.

## Semantics:

1. If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.

# LFH Freeform Hazardous Material Information

Max: 20  
Loop: 0330 Elements: 7

**Usage:** Used

To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
LFH01	808	<b>Hazardous Material Shipment Information Qualifier</b> <b>Description:</b> Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements <b>All valid standard codes are used.</b>	ID	3/3	Must use
LFH02	809	<b>Hazardous Material Shipment Information</b> <b>Description:</b> Specific information required by law for hazardous material shipments	AN	1/25	Must use
LFH03	809	<b>Hazardous Material Shipment Information</b> <b>Description:</b> Specific information required by law for hazardous material shipments	AN	1/25	Can Use
LFH04	1023	<b>Hazard Zone Code</b> <b>Description:</b> Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone <b>All valid standard codes are used.</b>	ID	1/1	Can Use
LFH05	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	ID	2/2	Can Use
LFH06	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	R	1/15	Can Use
LFH07	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	R	1/15	Can Use

**Syntax:**

1. P0506 - If either of LFH05, LFH06 is used, then both are required.

**Semantics:**

1. LFH06 indicates activity of the radioactive material.
2. LFH07 indicates transport index of the radioactive material.

# Loop 0350

Repeat: 999  
Loop: 0350 Elements: N/A

To specify order identification detail.

Usage: Optional

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
150	OID	Order Identification Detail	1		Can Use
190		Loop 0360		99	

# OID Order Identification Detail

Max: 1  
Loop: 0350 Elements: 9

To specify order identification details.

**Usage:** Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
OID01	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier.	AN	1/30	Can Use
OID02	324	<b>Purchase Order Number</b> <b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser.	AN	1/22	Can Use
OID03	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier.	AN	1/30	Can Use
OID04	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. <b>All valid standard codes are used.</b>	ID	2/2	Can Use
OID05	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity.	R	1/15	Can Use
OID06	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit. <b>All valid standard codes are used.</b>	ID	1/1	Can Use
OID07	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	R	1/10	Can Use
OID08	184	<b>Volume Unit Qualifier</b> <b>Description:</b> Code identifying the volume unit. <b>All valid standard codes are used.</b>	ID	1/1	Can Use
OID09	183	<b>Volume</b> <b>Description:</b> Value of volumetric measure.	R	1/8	Can Use

## Syntax:

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

## Semantics:

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

# Loop 0360

Repeat: 99
Loop: 0360    Elements: N/A

To specify order identification detail.

**Usage:** Optional

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
190	L5	Description, Marks, and Numbers	1		Can Use
195	AT8	Shipment Weight, Packaging and Quantity Data	1		Can Use

# L5 Description, Marks and Numbers

Max: 3  
Loop: 0360 Elements:10

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

Usage: Used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>
L501	213	<b>Lading Line Item Number</b> <b>Description:</b> Sequential line number for a lading item.	NO	1/3	Can Use
L502	79	<b>Lading Description</b> <b>Description:</b> Description of an item as required for rating and billing purposes.	AN	1/50	Can Use
L503	22	<b>Commodity Code</b> <b>Description:</b> Code describing a commodity or group of commodities	AN	1/30	Can Use
L504	23	<b>Commodity Code Qualifier</b> <b>Description:</b> Code identifying the commodity coding system used for Commodity Code <b>All valid standard codes are used.</b>	ID	1/1	Can Use
L505	103	<b>Packaging Code</b> <b>Description:</b> Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required. <b>All valid standard codes are used.</b>	AN	3/5	Can Use
L506	87	<b>Marks and Numbers</b> <b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment.	AN	1/48	Can Use
L507	88	<b>Marks and Numbers Qualifier</b> <b>Description:</b> Code specifying the application or source of Marks and Numbers (87). <b>All valid standard codes are used.</b>	ID	1/2	Can Use
L508	23	<b>Commodity Code Qualifier</b> <b>Description:</b> Code identifying the commodity coding system used for Commodity Code. <b>All valid standard codes are used.</b>	ID	1/1	Can Use
L509	22	<b>Commodity Code</b> <b>Description:</b> Code describing a commodity or group of commodities.	AN	1/30	Can Use
L510	595	<b>Compartment ID Code</b> <b>Description:</b> Code identifying the compartment in a compartmentalized tank car. <b>All valid standard codes are used.</b>	ID	1/1	Can Use

## Syntax:

1. P0304 - If either of L503, L504 is used, then both are required.
2. C0706 - If L507 is present, then L506 is required.
3. P0809 - If either of L508, L509 is used, then both are required.

## Comments:

1. L502 may be used to send quantity information as part of the product description.

# AT8 Shipment Weight, Packaging and Quantity Data

Max: 1  
Loop: 0360 Elements: 5

To specify shipment details in terms of weight, and quantity of handling units that apply to this stop-off location.

Usage: Must Use

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Element Usage</u>												
AT801	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight.	ID	1/2	Must Use												
<table border="1"> <tr> <td colspan="2"><u>Recognized Codes</u></td> </tr> <tr> <td>G</td> <td>Gross Weight</td> </tr> </table>						<u>Recognized Codes</u>		G	Gross Weight								
<u>Recognized Codes</u>																	
G	Gross Weight																
AT802	188	<b>Weight Unit Code</b> <b>Description:</b> Code specifying the weight unit.	ID	1/1	Must Use												
<table border="1"> <tr> <td colspan="2"><u>Recognized Codes</u></td> </tr> <tr> <td>E</td> <td>Metric Ton</td> </tr> <tr> <td>K</td> <td>Kilograms</td> </tr> <tr> <td>L</td> <td>Pounds</td> </tr> <tr> <td>S</td> <td>Short Ton</td> </tr> <tr> <td>T</td> <td>Long Ton</td> </tr> </table>						<u>Recognized Codes</u>		E	Metric Ton	K	Kilograms	L	Pounds	S	Short Ton	T	Long Ton
<u>Recognized Codes</u>																	
E	Metric Ton																
K	Kilograms																
L	Pounds																
S	Short Ton																
T	Long Ton																
AT803	81	<b>Weight</b> <b>Description:</b> Numeric value of weight	R	1/10	Must Use												
AT804	80	<b>Lading Quantity – Not Unitized</b> <b>Description:</b> Number of units (pieces) of the lading commodity that is not unitized, i.e. carton.	N0	1/7	Must Use												
AT805	80	<b>Lading Quantity - Unitized</b> <b>Description:</b> Number of units (pieces) of the lading commodity that is unitized, i.e. palletized.	N0	1/7	Must Use												
AT806	184	<b>Volume Unit Qualifier</b> <b>Description:</b> Code identifying the volume unit.	ID	1/1	Can Use												
AT807	183	<b>Volume</b> <b>Description:</b> Value of volumetric measure.	R	1/8	Can Use												

## Syntax:

1. P010203 - If either AT801, AT802, AT803 is used, then all are required.
2. P0607 - If either of AT806, AT807 is used, then both are required.

## Semantics:

1. AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
2. AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

# L3 Total Weight and Charges

Max: 1  
Loop: N/A Elements: 15

To specify the total shipment amounts in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to all line items.

Usage: Must Use

## Element Summary:

Ref	Id	Element Name	Type	Min/Max	Element Usage
L301	81	<b>Weight</b> Description: Numeric value of weight.	R	1/10	Must Use
L302	187	<b>Weight Qualifier</b> Description: Code defining the type of weight.	ID	1/2	Can Use
<div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p><u>Recognized Codes</u> G Gross Weight</p> </div>					
L303	60	<b>Freight Rate</b> Description: Rate that applies to the specific commodity.	R	1/9	Can Use
L304	122	<b>Rate/Value Qualifier</b> Description: Code qualifying how to extend charges or interpret value. All valid standard codes are used.	ID	2/2	Can Use
L305	58	<b>Charge</b> Description: For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified.	N2	1/12	Can Use
L306	191	<b>Advances</b> Description: Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified.	N2	1/9	Can Use
L307	117	<b>Prepaid Amount</b> Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified.	N2	1/9	Can Use
L308	150	<b>Special Charge or Allowance Code</b> Description: Code identifying type of special charge or allowance. All valid standard codes are used.	ID	3/3	Can Use
L309	183	<b>Volume</b> Description: Value of volumetric measure.	R	1/8	Can Use
L310	184	<b>Volume Unit Qualifier</b> Description: Code identifying the volume unit. All valid standard codes are used.	ID	1/1	Can Use
L311	80	<b>Lading Quantity</b> Description: Number of units (pieces) of the lading commodity.	N0	1/7	Must Use
L312	188	<b>Weight Unit Code</b> Description: Code specifying the weight unit.	ID	1/1	Must Use



**Recognized Codes**

<b>E</b>	<b>Metric Ton</b>
<b>K</b>	<b>Kilograms</b>
<b>L</b>	<b>Pounds</b>
<b>S</b>	<b>Short Ton</b>
<b>T</b>	<b>Long Ton</b>

L313	171	<b>Tariff Number</b> <b>Description:</b> Standard tariff number for the tariff which governs the rates applied to the commodity item(s).	AN	1/7	Can Use
L314	74	<b>Declared Value</b> <b>Description:</b> Monetary assigned value expressed in the standard monetary denomination for the currency specified.	N2	2/12	Can Use
L315	122	<b>Rate/Value Qualifier</b> <b>Description:</b> Code qualifying how to extend charges or interpret value. <b>All valid standard codes are used.</b>	ID	2/2	Can Use

**Syntax:**

1. P0102 - If either of L301, L302 is used, then both are required.
2. P0304 - If either of L303, L304 is used, then both are required.
3. P0910 - If either of L309, L310 is used, then both are required.
4. C1201 - If L312 is used, then L301 is required.
5. P1415 - If either of L314, L315 is used, then both are required.

**Semantics:**

1. L305 is the total charges.

# SE Transaction Set Trailer

Max: 1	Elements: 2
Loop: N/A	

**Usage:** Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments	NO	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	AN	4/9	Must use

## Comments:

1. SE is the last segment of each transaction set.

# GE Functional Group Trailer

Max: 1  
 Loop: N/A Elements: 2

**Usage:** Must use

To indicate the end of a functional group and to provide control information.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	<b>Number of Transaction Sets Included</b> <b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	N0	1/6	Must use
GE02	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	N0	1/9	Must use

**Semantics:**

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

**Comments:**

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

# IEA Interchange Control Trailer

Max: 1  
 Loop: N/A Elements: 2

**Usage:** Must use

To define the end of an interchange of zero or more functional groups and interchange-related control segments.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	<b>Number of Included Functional Groups</b> <b>Description:</b> A count of the number of functional groups included in an interchange	M	NO	1/5	Must use
IEA02	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	NO	9/9	Must use

## Appendix A: Loop Description and Usage

204 Loop ID	Description	Usage
0100	Conveys <b>Bill-To information only</b> . Use Loop 0310 to identify pickup and delivery locations.	Required
0200	Describes equipment details	Optional
0300	Used to specify pickup and drop-off detail information, reference numbers and stop reason. <b>At a minimum, two 0300 loops are required: one for the shipper (SH or SF), and one for the consignee (CN or ST).</b>	Required
0310	Loop 0310 is used to identify the party type, name, contact, and location relative to this stop-off location.	Required
0320	Loop 0320 is used to identify commodity detail line items or hazardous material items in terms of description, pieces and weight, and classification relative to this stop-off location. <b>If used, the accumulated amounts of weight, quantity, and volume in the AT8 segment in loop 0320 should equal the amounts in the single AT8 occurrence in loop 0300.</b>	Optional
0325	Loop 0325 is to identify a person or office to whom communications should be directed for a hazmat accident involving this <b>hazardous material</b> shipment.	Required (If Hazardous Materials)
0330	Loop 0330 is used to specify the <b>hazardous commodity identification</b> and classification reference numbers, shipping name, and any additional information required for this shipment.	Required (If Hazardous Materials)
0350	Use loop 0350 for conveying seller's <b>order/invoice level detail</b> or buyer's purchase order level detail. <i>If not using order level detail, this loop should not be used.</i>	Required (If using order level detail)
0360	If sending order level detail within the 0350 loop, then use <b>L5</b> and <b>AT8</b> segments in loop <b>0360</b> to relay commodity detail. Otherwise, use L5 and AT8 segments within the 0320 loop to relay commodity detail. <i>Use either loop 0320 or loop 0360, but not both.</i>	Required (If using 0350 Loop)

# Appendix B: Sample 204 Documents

## Example #1 - Simple Load Tender

Receiving Carrier SCAC	RNLO
Purpose	Original Load Tender
Unique shipment ID	TEST062705-D
Payment Method	Collect
Requested Pickup Date & Time	06/27/2005 @ 08:00
Number of Pieces	1
Weight	1000 lbs
Comments	A pickup appointment is required
Bill To Address	Johnsons Widgets 71 Ohio Ave., Sturtevant, WI. 53177
Pickup Address	Johnsons Widgets 123 Main St., Wilmington, Oh. 45177. Customer Identifier: ABC123
Special Note	Call shipping contact for appointment
Shipping Contact	Joe Smith 555.123.4321
Delivery Address	Acme Corp 1030 W 1 <sup>st</sup> St., Ste 200 Chicago, Il. 60622. Customer Identifier: 150486
Requested Delivery Date & Time	06/27/2005

**Header**

```
ST*204*0001~
B2**RNLO**TEST062705-D**CC~
B2A*00~
G62*64*20050711*1*0712*CD~
NTE*GEN*A PICKUP APPOINTMENT IS REQUIRED~
```

Shipment ID (unique)

Purpose Code

**0100 Loop**

```
N1*BT*JOHNSONS WIDGETS*ZZ*018240817~
N3*71 OHIO AVENUE~
N4*STURTEVANT*WI*53177*USA~
```

0100 Loop is for Bill-To details only.

**0300 Loop**

```
S5*1*CL~
G62*10*20050627*Y*0800*CD~
AT8*G*L*1000.0*1~
NTE**CALL SHIPPING CONTACT FOR APPOINTMENT~
```

The first 0300 Loop contains loading details.

AT8 contains total number of pieces and weight for this location.

**0310 Loop**

```
N1*SF*JOHNSONS WIDGETS*ZZ*ABC123~
N3*123 MAIN ST~
N4*WILMINGTON*OH*45177*USA~
G61*SH*Joe Smith*TE*555-123-4321
```

A Shipping contact (G61) is required.

**0300 Loop**

```
S5*2*CU~
G62*68*20050627*Z*1200*CD~
AT8*G*L*1000.0*1~
```

Subsequent 0300 Loops are for drop-off location details.

**0310 Loop**

```
N1*ST*ACME CORP*ZZ*150486~
N3*1030 W 1ST ST*STE 200~
N4*CHICAGO*IL*60622*USA~
```

**Trailer**

```
L3*1000.0*G*****L~
SE*24*0001~
```

**Example #2 - Detailed Load Tender**

Receiving Carrier SCAC	RNLO
Purpose	Original Load Tender
Unique shipment ID	TESTRLC11
Payment Method	Collect
Billing Contact	John Doe @ 555-434-4321
Requested Pickup Date & Time	07/20/2005 @ 10:00
Number of Pieces	50
Weight	250 lbs
Pickup From	Johnsons Widgets 123 Main St., Wilmington, Oh. 45177. Customer Identifier: 15H
Special Note	Do Not Freeze. Lift Gate Required.
Shipping Contact	Joe Smith 555.123.4321
Deliver To	Knart Mfg, 13 Belamy Way, Chicago, IL. 60622. Customer Identifier: 15T
Requested Delivery Date & Time	07/20/2005
First Line Item	Description = Blue Widgets; Weight = 100 lbs; Pieces = 20
Second Line Item	Description = Widget Brackets; Weight = 150 lbs; Pieces = 30

**Header**

```
ST*204*0001~
B2**RNLO** TESTRLC11**CC~
B2A*00~
G62*64*20050720*1*0712*CD~
AT5*DNF~
AT5*URC~
```

AT5 identifies special handling requirements.

**0100 Loop**

```
N1*BT*JOHNSON HQ*ZZ*45G~
N3*71 OHIO AVENUE~
N4*STURTEVANT*WI*53177~
G61*BT*JOHN DOE*TE*555-434-4321
```

Billing contact provided.

**0300 Loop**

```
S5*1*CL~
G62*10*20050720*Y*1000*CD~
AT8*G*L*250*50~
```

**0310 Loop**

```
N1*SF*JOHNSONS WIDGETS*ZZ*15H~
N3*123 MAIN ST~
N4*WILMINGTON*OH*45177*USA~
G61*SH*JOE SMITH*TE*555-123-4321
```

**0320 Loop**

```
L5**BLUE WIDGETS~
AT8*G*L*100*20~
```

0320 loop is used for identifying commodity level details.  
  
If using 0320 loop, The sum of all AT8 pieces and weight should equal the value in the 0300 loop AT8.

**0320 Loop**

```
L5**WIDGET BRACKETS~
AT8*G*L*150*30~
```

**0300 Loop**

```
S5*2*CU~
G62*68*20050720*Z*1200*CD~
AT8*G*L*250*50~
```

**0310 Loop**

```
N1*ST*KNART MFG*ZZ*15T~
N3*13 BELAMY WAY~
N4*CHICAGO*IL*60622*USA~
```

**0320 Loop**

```
L5**BLUE WIDGETS~
AT8*G*L*100*20~
```

**0320 Loop**

```
L5**WIDGET BRACKETS~
AT8*G*L*150*30~
```

**Trailer**

```
L3*250.0*G*****50*L~
SE*38*0001~
```

**Example #3 - Load Tender with Bill of Lading**

Receiving Carrier SCAC	RNLO
Purpose	Original Load Tender with Bill of Lading
Unique shipment ID	TESTRLC22
Payment Method	Collect
Shipper's BoL Number	BL2005033
Billing Address	Shoe World 45 Willow Rd. Miami, FL. 12546 Customer Identifier: SWMIA
Billing Contact	M Hamlin @ 555-434-9877
Requested Pickup Date & Time	07/20/2005 @ 3:00 PM
Number of Pieces	5
Weight	5000 lbs
Pickup From	Shoe World Charlotte 3456 Mason Ct. Charlotte, NC 56565 Customer Identifier: SWCHR
Shipping Contact	Joe Smith 555.123.4321
Deliver To	Shoe World Chicago 909 S Anderson St. Chicago, IL 12121. Customer Identifier: SWCHI
Requested Delivery Date & Time	07/20/2005
First Line Item	NMFC = 192810; Class = 70; Weight = 4500 lbs; Pieces = 4
Second Line Item	NMFC = 017370; Class = 100; Weight = 500 lbs; Pieces = 1

**Header**

```
ST*204*0001~
B2**RNLO** TESTRLC22**CC~
B2A*ZZ~
L11* BL2005033*BM~
G62*64*20050720*1*0900*CD~
```

The value "ZZ" in B2A01 indicates this interchange provides both load tender and bill of lading information.

**0100 Loop**

```
N1*BT*SHOE WORLD*ZZ*SWMIA~
N3*45 WILLOW RD~
N4*MIAMI*FL*12546~
G61*BT*M HAMLIN*TE*555-434-9877
```

Shipper's Bill of Lading number

**0300 Loop**

```
S5*1*CL~
L11* BL2005033*BM~
G62*10*20050720*Y*1500*CD~
AT8*G*L*5000*5~
```

**0310 Loop**

```
N1*SF*SHOE WORLD CHARLOTTE*ZZ*SWCHR~
N3*3456 MASON CT~
N4*CHARLOTTE*NC*56565*USA~
G61*SH*JOE SMITH*TE*555-123-4321
```

**0320 Loop**

```
L5***192810*N***Z*70~
AT8*G*L*4500*4~
```

0320 loop is used for commodity level details. In this example there are two item types, both with a different NMCF designation and freight Class.

**0320 Loop**

```
L5***017370*N***Z*100~
AT8*G*L*500*1~
```

NMFC and freight Class are required when sending Bill of Lading with load tender.  
  
If using 0320 loop, The sum of all AT8 pieces and weight should equal the value

**0300 Loop**

```
S5*2*CU~
L11* BL2005033*BM~
G62*68*20050720*Z*1200*CD~
AT8*G*L*5000*5~
```

**0310 Loop**

```
N1*ST*SHOW WORLD CHICAGO*ZZ*SWCHI~
N3*909 S ANDERSON ST~
N4*CHICAGO*IL*12121*USA~
```

**0320 Loop**

```
L5***192810*N***Z*70~
AT8*G*L*4500*4~
```

**0320 Loop**

```
L5***017370*N***Z*100~
AT8*G*L*500*1~
```

**Trailer**

```
L3*5000*G*****5*L~
SE*38*0001~
```