

# **EDI X12 204**

# **Motor Carrier Load Tender**

Version: V4010/4030  
Author: Integration (One Network)

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## Revision History

Revision	Date	Prepared By	Comments
1.0	Jan 2022	Integration Team	Initial Version
1.1	April 2023	Integration Team	L5 Segment added.
1.2	September 2023	Integration Team	Added All charger details in NTE segment
1.3	April 2024	Integration Team	Added LFH, G6205 seg. Updated NTE, B2A, MEA seg.

# 204 Motor Carrier Load Tender

## Functional Group=SM

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

### Usage Indicators:

Usage Indicators are applied at all levels of the guidelines and shown adjacent to data items such as segment groups, segments, composite data elements and simple data elements. They dictate the agreed usage of the data items or entities.

The Usage Indicators are:

Value	Description
M	Mandatory Indicates the item is mandatory in the UN/EDIFACT message.
X	Conditional The entity is used by agreement between trading partners
O	Optional Indicates that this item is at the need or discretion of both trading partners.
NA	Not Recommended (Advised) Indicates the item needn't be transmitted in this implementation.

### Terminology:

Within this manual specific terminology will be used that you may not be familiar with. In order to give you some guidance, please find below the most important EDI terms and their according definitions.

Delimiters	<b>Segment Terminator:</b> ~ Each segment in this message is separated by a ~ character <b>Element Separator:</b> * sign indicates the start of a new element, either a simple or composite element <b>Sub element separator:</b> + character indicates the start of a sub-element of a composite element.
Segment	A segment is uniquely identified by a three character mnemonic tag, which is used as a reference to a common group of business information. For example, Invoice number, shipment identification number and SCAC code information, all this data is contained in Beginning segment B3.
Service Segment	A service segment is a segment that contains non-business related data. These segments usually include interchanges and messages, in the form of headers and trailers. For example ISA and GS are typical service segments.
Segment Group	A segment group is a collection of segments that are related within a message structure. A simple example would be a group for details of transport. This would

	typically include a segment for the reference (using N9).
Composite Element	A composite element is a lower level of detail to identify business data within segment. It is normally used when a data item requires addition information. Each composite element has a unique code identifying it. A composite element could be used, for example when a data item is in the form of a code and it requires a type qualifier and also organization responsible for its maintenance.
Data Element	A data element is the lowest level within the EDI structure for holding data. Each data element has a unique code identifying it. A data element can exist as a stand-alone element or as a sub-element within a composite element.

**EDI 204 Segments:**

**Not Defined:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1		Must use
	GS	Functional Group Header	M	1		Must use

**Heading:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	ST	Transaction Set Header	M	1		Must Use
0200	B2	Beginning Segment for Shipment Information Transaction	M	1		Must Use
0300	B2A	Set Purpose	M	1		Must Use
0800	L11	Business Instructions and Reference Number	O	50		Optional
0900	G62	Date/Time	O	1		Optional
1300	NTE	Note/Special Instruction	O	1		Optional

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
<b><u>Loop ID - loopN1 N1</u></b>			<b><u>O</u></b>		<b><u>1</u></b>	<b>-</b>
1400	N1	Name	O	1		Optional
1500	N2	Additional Name Information	O	1		Optional
1600	N3	Address Information	O	2		Optional
1700	N4	Geographic Location	O	1		Optional

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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**Loop ID - loopN7 N7**

			<b><u>O</u></b>	<b><u>1</u></b>	<b><u>10</u></b>	
2000	N7	Equipment Details	O	1	1	Optional
2000	MEA	Measurements	O	1		Optional

**Detail:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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**Loop ID - loopS5 S5**

			<b><u>M</u></b>	<b><u>1</u></b>	<b><u>999</u></b>	
0100	S5	Stop-off Details	M	1		Must Use
0200	L11	Business Instructions and Reference Number	O	50		Optional
0300	G62	Date/Time	O	2		Optional
0500	LAD	Lading Detail	O	999		Optional
0650	NTE	Note/Special Instruction	O	20		Optional

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
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**Loop ID - loopN1 N1**

			<b><u>O</u></b>		<b><u>1</u></b>	<b>-</b>
0700	N1	Name	O	1		Optional
0900	N3	Address Information	O	2		Optional
1000	N4	Geographic Location	O	1		Optional

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
<b>Loop S5 – Loop L5</b>						
<b>Loop ID</b>			<b>O</b>	<b>99</b>		
1300	L5	Commodity Codes	O	1		Optional
<b>Loop L5 – Loop G61</b>						
<b>Loop ID</b>			<b>O</b>	<b>99</b>		
1400	G61	Contact	O	1		Optional
<b>Loop G61 – Loop LH1</b>						
<b>Loop ID</b>			<b>O</b>	<b>25</b>		
1430	LH1	Hazardous Identification Information	O	1		Optional
1440	LH2	Hazardous Classification Information	O	4		Optional
1450	LH3	Hazardous Material Shipping Name	O	10		Optional
1450	LFH	Free Form Hazardous Material Information	O	20		Optional

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	L3	Total Weight and Charges	O	1		Optional

**Not Defined:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1		Must use
	IEA	Interchange Control Trailer	M	1		Must use

<b>ISA</b>	<b>Interchange Control Header</b>	<b>Mandatory</b>	<b>Max: 1</b>
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User Option (Usage): Must use

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage				
ISA01	Authorization Information Qualifier	M	ID	2/2	Must use				
	Description: Code to identify the type of information in the Authorization Information All valid standard codes are used.								
ISA02	Authorization Information	M	AN	10/10	Must use				
	Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)								
ISA03	Security Information Qualifier	M	ID	2/2	Must use				
	Description: Code to identify the type of information in the Security Information All valid standard codes are used.								
ISA04	Security Information	M	AN	10/10	Must use				
	Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)								
ISA05	Interchange ID Qualifier	M	ID	2/2	Must use				
	Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.								
ISA06	Interchange Sender ID	M	AN	15/15	Must use				
	Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element								
ISA07	Interchange ID Qualifier	M	ID	2/2	Must use				
	Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Code List Summary								
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>02</td> <td>SCAC (Standard Carrier Alpha Code)</td> </tr> </tbody> </table>					Code	Name	02	SCAC (Standard Carrier Alpha Code)
Code	Name								
02	SCAC (Standard Carrier Alpha Code)								
ISA08	Interchange Receiver ID	M	AN	15/15	Must use				
	Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them								
ISA09	Interchange Date	M	DT	6/6	Must use				
	Description: Date of the interchange								
ISA10	Interchange Time	M	TM	4/4	Must use				



	Description: Time of the interchange				
ISA11	Interchange Control Standards Identifier	M	ID	1/1	Must use
	Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.				
ISA12	Interchange Control Version Number	M	ID	5/5	Must use
	Description: Code specifying the version number of the interchange control segments				
ISA13	Interchange Control Number	M	N0	9/9	Must use
	Description: A control number assigned by the interchange sender				
ISA14	Acknowledgment Requested	M	ID	1/1	Must use
	Description: Code sent by the sender to request an interchange acknowledgment (TA1) All valid standard codes are used.				
ISA15	Usage Indicator	M	ID	1/1	Optional
	Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information All valid standard codes are used.				
ISA16	Component Element Separator	M		1/1	Optional
	Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

Example:

ISA\*00\* \*00\* \*ZZ\*ONENETWORK \*02\*CARA \*190327\*1441\*U\*00401\*000000643\*1\*T\*>~

<b>GS</b>	<b>Functional Group Header</b>	<b>Mandatory</b>	<b>Max: 1</b>
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User Option (Usage): Must use

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

**Semantics:**

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

**Comments:** 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.

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage				
GS01	Functional Identifier Code	M	ID	2/2	Must use				
	Description: Code identifying a group of application related transaction sets <b>Code List Summary</b> <table border="1" style="width: 100%;"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>SM</td> <td>Motor Carrier Load Tender (204)</td> </tr> </tbody> </table>					Code	Name	SM	Motor Carrier Load Tender (204)
Code	Name								
SM	Motor Carrier Load Tender (204)								
GS02	Application Sender's Code	M	AN	2/15	Must use				
	Description: Code identifying party sending transmission; codes agreed to by trading partners								
GS03	Application Receiver's Code	M	AN	2/15	Must use				
	Description: Code identifying party receiving transmission; codes agreed to by trading partners								
GS04	Date	M	DT	8/8	Must use				
	Description: Date expressed as CCYMMDD								
GS05	Time	M	TM	4/8	Must use				
	Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)								
GS06	Group Control Number	M	NO	1/9	Must use				
	Description: Assigned number originated and maintained by the sender								
GS07	Responsible Agency Code	M	ID	1/2	Must use				
	Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 All valid standard codes are used.								
GS08	Version / Release / Industry Identifier Code	M	AN	1/12	Must use				
	Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed								

Example: GS\*SM\*ONENETWORK\*CARA\*20190327\*1441\*643\*X\*004010

<b>ST</b>	<b>Transaction Set Header</b>	<b>Mandatory</b>	<b>Max: 1</b>
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User Option (Usage): Must use

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage				
ST01	Transaction Set Identifier Code	M	ID	3/3	Must use				
	Description: Code uniquely identifying a Transaction Set Code List Summary <table border="1" data-bbox="304 734 1008 801"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>204</td> <td>Motor Carrier Load Tender</td> </tr> </tbody> </table>					Code	Name	204	Motor Carrier Load Tender
Code	Name								
204	Motor Carrier Load Tender								
ST02	Transaction Set Control Number	M	AN	4/9	Must use				
	Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set								

Example:

ST\*204\*10821

<b>B2</b>	<b>Beginning Segment for Shipment Information Transaction</b>	<b>Mandatory</b>	<b>Max: 1</b>
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User Option (Usage): Must Use

Purpose: To transmit basic data relating to shipment information

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage						
B201	Tariff Service Code	O	ID	2/2	Optional						
	Description: Code specifying the types of services for rating purposes"										
B202	Standard Carrier Alpha Code	O	ID	2/4	Optional						
	Description: Standard Carrier Alpha Code										
B203	Standard Point Location Code	O	ID	6/9	Optional						
	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										
B204	Shipment Identification Number	O	NO	1/30	Must use						
	Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters).										
B205	Weight Unit Code	O	ID	1/1	Optional						
	Description: Code specifying the weight unit.										
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>L</td> <td>Pound</td> </tr> <tr> <td>K</td> <td>Kilogram</td> </tr> </tbody> </table>					Code	Name	L	Pound	K	Kilogram
Code	Name										
L	Pound										
K	Kilogram										
B206	Shipment Method of Payment	M	ID	2/2	Must Use						
	Description: Code identifying payment terms for transportation charges. <b>Acceptable codes are limited to:</b>										
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>PP</td> <td>Prepaid</td> </tr> <tr> <td>CC</td> <td>Collect</td> </tr> </tbody> </table>					Code	Name	PP	Prepaid	CC	Collect
Code	Name										
PP	Prepaid										
CC	Collect										
B207	Shipment Qualifier	O	NO	1/3	Optional						
	Description: Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time.										
	<b>Acceptable codes are limited to:</b>										
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>F</td> <td>Multiple shipments in stop</td> </tr> <tr> <td>B</td> <td>Single shipment in stop.</td> </tr> </tbody> </table>					Code	Name	F	Multiple shipments in stop	B	Single shipment in stop.
Code	Name										
F	Multiple shipments in stop										
B	Single shipment in stop.										

Example:

B2\*\*CARA\*\*M-1120\*K\*PP\*B

**B2A**

**Set Purpose**

**Mandatory Max: 1**

User Option (Usage): Must use

Purpose: To allow for positive identification of transaction set purpose

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage								
B2A01	Transaction Set Purpose Code	M	ID	2/2	Must Use								
	Description: Code identifying purpose of transaction set <b>Acceptable codes are limited to:</b>												
	<table border="1"><thead><tr><th>Code</th><th>Name</th></tr></thead><tbody><tr><td>00</td><td>Original</td></tr><tr><td>01</td><td>Cancellation</td></tr><tr><td>04</td><td>Update</td></tr></tbody></table>	Code	Name	00	Original	01	Cancellation	04	Update				
Code	Name												
00	Original												
01	Cancellation												
04	Update												

Example:

B2A\*00

<b>L11</b>	<b>Business Instructions and Reference Number</b>	<b>Optional</b>	<b>Max: 50</b>
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User Option (Usage): Optional

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage						
L1101	Reference Identification	X	AN	1/30	Conditional						
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier										
L1102	Reference Identification Qualifier	X	ID	2/3	Conditional						
	Description: Code qualifying the Reference Identification. <b>Acceptable codes are limited to:</b>										
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>TCO</td> <td>Transportation Controlled Org</td> </tr> <tr> <td>TCE</td> <td>Transportation Controlled Ent</td> </tr> </tbody> </table>					Code	Name	TCO	Transportation Controlled Org	TCE	Transportation Controlled Ent
Code	Name										
TCO	Transportation Controlled Org										
TCE	Transportation Controlled Ent										

**Example:**

L11\*CustomerA\*TCE

L11\*CustomerA\*TCO

**Syntax Notes:**

If either L1101 or L1102 is present, then the other is required.

User Option (Usage): Optional.  
 Purpose: To specify pertinent dates and times.

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage																
G6201	Date Qualifier	X	ID	2/2	Conditional																
	Description: Code specifying type of date <b>Acceptable codes are limited to:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 20%;">Code</th> <th style="width: 80%;">Name</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">64</td> <td>must respond by</td> </tr> </tbody> </table>					Code	Name	64	must respond by												
Code	Name																				
64	must respond by																				
G6202	Date	X	DT	8/8	Conditional																
	Description: Date expressed as CCYMMDD																				
G6203	Time Qualifier	X	ID	1/2	Conditional																
	Description: Code specifying the reported time <b>Acceptable codes are limited to:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 20%;">Code</th> <th style="width: 80%;">Name</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>must respond by</td> </tr> </tbody> </table>					Code	Name	1	must respond by												
Code	Name																				
1	must respond by																				
G6204	Time	X	TM	4/8	Conditional																
	Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)																				
G6205	Time Code	O	ID	2/2	Optional																
	Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 20%;">Code</th> <th style="width: 80%;">Name</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">AD</td> <td>Alaska Daylight Time</td> </tr> <tr> <td style="text-align: center;">AS</td> <td>Alaska Standard Time</td> </tr> <tr> <td style="text-align: center;">AT</td> <td>Alaska Time</td> </tr> <tr> <td style="text-align: center;">TD</td> <td>Atlantic Daylight Time</td> </tr> <tr> <td style="text-align: center;">TS</td> <td>Atlantic Standard Time</td> </tr> <tr> <td style="text-align: center;">TT</td> <td>Atlantic Time</td> </tr> <tr> <td style="text-align: center;">CD</td> <td>Central Daylight Time</td> </tr> </tbody> </table>					Code	Name	AD	Alaska Daylight Time	AS	Alaska Standard Time	AT	Alaska Time	TD	Atlantic Daylight Time	TS	Atlantic Standard Time	TT	Atlantic Time	CD	Central Daylight Time
Code	Name																				
AD	Alaska Daylight Time																				
AS	Alaska Standard Time																				
AT	Alaska Time																				
TD	Atlantic Daylight Time																				
TS	Atlantic Standard Time																				
TT	Atlantic Time																				
CD	Central Daylight Time																				

CS	Central Standard Time
CT	Central Time
ED	Eastern Daylight Time
ES	Eastern Standard Time
ET	Eastern Time
GM	Greenwich Mean Time
HD	Hawaii-Aleutian Daylight Time
HS	Hawaii-Aleutian Standard Time
HT	Hawaii-Aleutian Time
GM	India Standard Time
LT	Local Time
MD	Mountain Daylight Time
MS	Mountain Standard Time
MT	Mountain Time
ND	Newfoundland Daylight Time
NS	Newfoundland Standard Time
NT	Newfoundland Time
PD	Pacific Daylight Time
PS	Pacific Standard Time
PT	Pacific Time
UT	Universal Time Coordinate

**Example:**

G62\*64\*20190327\*1\*1536\*GM

**Syntax Notes:**

At least one of G6201 or G6203 is required.

If either G6201 or G6202 is present, then the other is required.

If either G6203 or G6204 is present, then the other is required.



<b>AT5</b>	<b>Service Level</b>	<b>Optional</b>	<b>Max: 10</b>
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User Option (Usage): Optional

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
AT501	Special Handling Code	O	ID	3/3	Optional
	Description: Left Blank				
AT502	Special Services Code (Movement Service Level)	M	AN	1/80	Must Use
	Description: ASAP = ASAP STAT = STAT SCHEDULED = SCHEDULED Or Any other Service Level				

**Example:**

AT5\*\*SCHEDULED

<b>NTE</b>	<b>Note/Special Instruction</b>	<b>Optional</b>	<b>Max: 10</b>
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User Option (Usage): Optional

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
NTE01	Note Reference Code	O	ID	3/3	Optional
	Description: Code identifying the functional area or purpose for which the note applies				
	<b>Code</b>	<b>Name</b>			
	ADD	Additional Information.			
	OTH	Pickup instructions			
	DEL	Delivery instructions			
	ZZZ	Additional Charges			
NTE02	Description	M	AN	1/80	Must Use
	Description: A free-form description to clarify the related data elements and their content				

**Example:**

NTE\*ADD\*New1 \_ Other

<b>Loop loopN1</b>	<b>Loop Stop-off Details</b>	<b>Optional</b>	<b>Repeat 1</b>
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User Option (Usage): Optional

**Loop Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1400	N1	Name	O	1		Optional
1500	N2	Additional Name Information	O	1		Optional
1600	N3	Address Information	O	2		Optional
1700	N4	Geographic Location	O	1		Optional

<b>N1</b>	<b>Name</b>	<b>Optional</b>	<b>Max: 1</b>
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User Option (Usage): Optional

**Element Summary:**

<b>Ref</b>	<b>Element Description</b>	<b>Req</b>	<b>Type</b>	<b>Min/Max</b>	<b>Usage</b>				
N101	Entity Identifier Code	M	ID	2/3	Must Use				
	Description: Code identifying an organizational entity, a physical location, property or an individual. Below codes are supported. <table border="1" data-bbox="304 1155 678 1232"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>BT</td> <td>Bill To Address</td> </tr> </tbody> </table>					Code	Name	BT	Bill To Address
Code	Name								
BT	Bill To Address								
N102	Name	X	AN	1/60	Conditional				
	Description: Free-form name								
N103	Identification Code Qualifier	X	ID	1/2	Conditional				
	Description: Code designating the system/method of code structure used for Identification Code (67) Below codes are supported. <table border="1" data-bbox="304 1563 991 1639"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>93</td> <td>Code assigned by originating organization</td> </tr> </tbody> </table>					Code	Name	93	Code assigned by originating organization
Code	Name								
93	Code assigned by originating organization								
N104	Identification Code	X	AN	2/80	Conditional				
	Description: Code identifying a party or other code								

**Example:**

N1\*BT\*CustomerA - CustomerA DC\*93\*CustomerA DC

**Syntax Notes:**

At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required

<b>N2</b>	<b>Additional Name Information</b>	<b>Optional</b>	<b>Max: 1</b>
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User Option (Usage): Optional

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
N201	Name	M	AN	1/60	Must Use
	Description: Additional Name				
N202	Name	O	AN	1/60	Optional
	Description: Additional Name				

<b>N3</b>	<b>Address Information</b>	<b>Optional</b>	<b>Max: 2</b>
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User Option (Usage): Optional

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
N301	Address Information	M	AN	1/55	Must Use
	Description: Address information Location address information.				
N302	Address Information	O	AN	1/55	Used
	Description: Address information Location address information.				

**Example:**

N3\*600 NORTHERN BLVD\*ROUTING #3226-2240

<b>N4</b>	<b>Geographic Location</b>	<b>Optional</b>	<b>Max: 1</b>
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User Option (Usage): Optional

Purpose: To specify the geographic place of the named party

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
N401	City Name	O	AN	2/30	Optional
	Description: Free-form text for city name				
N402	State or Province Code	O	ID	2/3	Optional
	Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	Postal Code	X	ID	3/15	Optional
	Description: Code designating the system/method of code structure used for Identification Code (67)				
N404	Country Code	O	ID	2/3	Optional
	Description: Code identifying the country.				

**Example:**

N4\*Sunnyvale\*CA\*94086\*US~

**Loop loopN7 Loop Equipment Details****Mandatory Repeat 10**

User Option (Usage): Optional

**Loop Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
2000	N7	Equipment Details	O	1		Optional

**N7 Equipment Details****Optional****Max: 10**

User Option (Usage): Optional

Purpose: To identify the equipment

**Element Summary:**

<b>Ref</b>	<b>Element Description</b>	<b>Req</b>	<b>Type</b>	<b>Min/Max</b>	<b>Usage</b>				
N701	Equipment Initial	O	AN	1/4	Optional				
	Description: Code indicating the status of a shipment								
N702	Equipment Number	M	AN	1/4	Must Use				
	Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)								
N703	Weight	X	R	1/10	Conditional				
	Description: Numeric value of weight								
N704	Weight Qualifier	X	ID	1/2	Conditional				
	Description: Code defining the type of weight. Below code is supported.								
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>G</td> <td>Gross Weight.</td> </tr> </tbody> </table>	Code	Name	G	Gross Weight.				
Code	Name								
G	Gross Weight.								
N705	Tare Weight	X	NO	3/8	Conditional				
	Description: Weight of the equipment								
N706	Time	X	TM	4/8	Used				
	Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)								
N707	Dunnage	O	NO	1/6	Optional				
	Description: Weight of material used to protect lading (even bracings, false floors, etc.)								
N708	Volume	X	R	1/8	Conditional				
	Description: Value of volumetric measure								
N709	Volume Unit Qualifier. Below code is supported.	X	ID	1/1	Conditional				

	<b>Code</b>	<b>Name</b>				
	E	Cubic Feet.				
	N	Cubic Inch				
	X	Cubic meters				
	Description: Code identifying the volume unit					
N710	Ownership Code		O	ID	1/1	Optional
	Description: Code indicating the relationship of equipment to carrier or ownership of equipment					
N711	Equipment Description Code		O	ID	2/2	Optional
	Description: Code identifying type of equipment used for shipment					
	<b>Code</b>	<b>Name</b>				
	TF	Dry Van				
	RT	Reefer				
	TV	Other Equipments				
	VE	Ocean				
	AP	Air Cargo				
N712	Standard Carrier Alpha Code		O	ID	2/4	Optional
	Description: Standard Carrier Alpha Code					
N713	Temperature Control		O	AN	3/6	Optional
	Description: Free-form abbreviation of temperature range or flash-point temperature					
N714	Position		O	AN	1/3	Optional
	Description : Relative position of shipment in car, trailer, or container (mutually defined)					
N715	Equipment Length		O	No	4/5	Optional
	Description: Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)					
N717	Weight Unit Code		O	ID	1/1	Optional
	Description : Weight unit					
N722	Equipment Type		O	ID	4/4	Optional
	Description: Code identifying equipment type					

**Example:**

N7\*RQ123\*40\*G\*\*150\*E\*TV

**Syntax Notes:**

If either N703 or N704 is present, then the other is required.

If either N705 or N716 is present, then the other is required.

If either N708 or N709 is present, then the other is required.

<b>MEA</b>	Measurements	<b>Optional</b>	<b>Max: 1</b>
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User Option (Usage): Optional

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage						
MEA02	Measurement Qualifier	O	ID	1/3	Optional						
	DS - Distance Between Points										
MEA03	Measurement Value	O	R	1/20	Optional						
MEA04	Composite Unit of Measure	O	ID	1/1	Optional						
MEA0401	Unit or Basis for Measurement Code	M	ID	2/2	Must Use						
	Below code is supported.										
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>DH</td> <td>Miles</td> </tr> <tr> <td>DK</td> <td>Kilometres</td> </tr> </tbody> </table>					Code	Name	DH	Miles	DK	Kilometres
Code	Name										
DH	Miles										
DK	Kilometres										

**Example :** MEA\*\*DS\*1160\*DH



<b>Loop loopS5</b>	<b>Loop Stop-off Details</b>	<b>Mandatory</b>	<b>Repeat 999</b>
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User Option (Usage): Mandatory

**Loop Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	S5	Stop-off Details	M	1		Must Use
0200	L11	Business Instructions and Reference Number	O	50		Optional
0300	G62	Date/Time	O	2		Optional
0500	LAD	Lading Detail	O	999		Optional
0650	NTE	Note/Special Instruction	O	20		Optional

<b>S5</b>	<b>Stop-off Details</b>	<b>Mandatory</b>	<b>Max: 1</b>
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User Option (Usage): Mandatory

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

**Element Summary:**

<b>Ref</b>	<b>Element Description</b>	<b>Req</b>	<b>Type</b>	<b>Min/Max</b>	<b>Usage</b>
S501	Stop Sequence Number	M	NO	1/3	Mandatory
	Description: The stop is to be performed				
S502	Stop Reason Code	M	ID	2/2	Mandatory
	Description: Code specifying the reason for the stop Below code is supported.				
	<b>Code</b>	<b>Name</b>			
	CL	Complete Load			
	PL	Partial Load			
	CU	Complete Unload			
	PU	Partial Unload			

**Example:**

S5\*1\*CL  
S5\*2\*CU

**Syntax Notes:**

If either S503 or S504 is present, then the other is required.

If either S505 or S506 is present, then the other is required.

If either S507 or S508 is present, then the other is required.

<b>L11</b>	<b>Business Instructions and Reference Number</b>	<b>Optional</b>	<b>Max: 1</b>
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User Option (Usage): Optional

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage								
L1101	Reference Identification	X	AN	1/30	Conditional								
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier												
L1102	Reference Identification Qualifier	X	ID	2/3	Conditional								
	Description: Code qualifying the Reference Identification. Below code is supported.												
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>SI</td> <td>Shipper's Identifying Number</td> </tr> <tr> <td>BL</td> <td>Bill of Lading</td> </tr> <tr> <td>PO</td> <td>Purchase Order</td> </tr> </tbody> </table>					Code	Name	SI	Shipper's Identifying Number	BL	Bill of Lading	PO	Purchase Order
Code	Name												
SI	Shipper's Identifying Number												
BL	Bill of Lading												
PO	Purchase Order												

**Example:**

L11\*1120\*SI

**Syntax Notes:**

At least one of L1101 or L1103 is required.

If either L1101 or L1102 is present, then the other is required.

<b>G62</b>	<b>Date/Time</b>	<b>Optional</b>	<b>Max: 2</b>
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User Option (Usage): Optional

Purpose: To specify pertinent dates and times

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage										
G6201	Date Qualifier	X	ID	2/2	Conditional										
	Description: Code specifying type of date <b>Acceptable codes are limited to:</b> <table border="1" data-bbox="304 707 837 896"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>37</td> <td>Ship Not Before Date</td> </tr> <tr> <td>38</td> <td>Ship Not Later Than Date</td> </tr> <tr> <td>53</td> <td>Deliver Not Before Date</td> </tr> <tr> <td>54</td> <td>Deliver No Later Than Date</td> </tr> </tbody> </table>					Code	Name	37	Ship Not Before Date	38	Ship Not Later Than Date	53	Deliver Not Before Date	54	Deliver No Later Than Date
Code	Name														
37	Ship Not Before Date														
38	Ship Not Later Than Date														
53	Deliver Not Before Date														
54	Deliver No Later Than Date														
G6202	Date	X	DT	8/8	Conditional										
	Description: Date expressed as CCYMMDD														
G6203	Time Qualifier	X	ID	1/2	Conditional										
	Description: Code specifying the reported time <b>Acceptable codes are limited to:</b> <table border="1" data-bbox="304 1191 858 1379"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>Pickup requested start time</td> </tr> <tr> <td>K</td> <td>Pickup requested End time</td> </tr> <tr> <td>G</td> <td>Delivery requested Start time</td> </tr> <tr> <td>L</td> <td>Delivery requested End time</td> </tr> </tbody> </table>					Code	Name	I	Pickup requested start time	K	Pickup requested End time	G	Delivery requested Start time	L	Delivery requested End time
Code	Name														
I	Pickup requested start time														
K	Pickup requested End time														
G	Delivery requested Start time														
L	Delivery requested End time														
G6204	Time	X	TM	4/8	Conditional										
	Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)														
G6205	Time Code	O	ID	2/2	Optional										
	Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow <table border="1" data-bbox="304 1848 783 2036"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>AD</td> <td>Alaska Daylight Time</td> </tr> <tr> <td>AS</td> <td>Alaska Standard Time</td> </tr> <tr> <td>AT</td> <td>Alaska Time</td> </tr> <tr> <td>TD</td> <td>Atlantic Daylight Time</td> </tr> </tbody> </table>					Code	Name	AD	Alaska Daylight Time	AS	Alaska Standard Time	AT	Alaska Time	TD	Atlantic Daylight Time
Code	Name														
AD	Alaska Daylight Time														
AS	Alaska Standard Time														
AT	Alaska Time														
TD	Atlantic Daylight Time														

TS	Atlantic Standard Time
TT	Atlantic Time
CD	Central Daylight Time
CS	Central Standard Time
CT	Central Time
ED	Eastern Daylight Time
ES	Eastern Standard Time
ET	Eastern Time
GM	Greenwich Mean Time
HD	Hawaii-Aleutian Daylight Time
HS	Hawaii-Aleutian Standard Time
HT	Hawaii-Aleutian Time
GM	India Standard Time
LT	Local Time
MD	Mountain Daylight Time
MS	Mountain Standard Time
MT	Mountain Time
ND	Newfoundland Daylight Time
NS	Newfoundland Standard Time
NT	Newfoundland Time
PD	Pacific Daylight Time
PS	Pacific Standard Time
PT	Pacific Time
UT	Universal Time Coordinate

**Example:**

G62\*37\*20190406\*I\*1323\*MS

G62\*38\*20190406\*K\*1323\*MS

**Syntax Notes:**

At least one of G6201 or G6203 is required.

If either G6201 or G6202 is present, then the other is required.

If either G6203 or G6204 is present, then the other is required.

<b>LAD</b>	<b>Lading Detail</b>	<b>Optional</b>	<b>Max: 999</b>
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User Option (Usage): Optional

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage						
LAD01	Packaging Form Code	X	ID	3/3	Conditional						
	Description: Code for packaging form of the lading quantity Below code is supported.										
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>CAS</td> <td>Case Quantity</td> </tr> </tbody> </table>	Code	Name	CAS	Case Quantity						
Code	Name										
CAS	Case Quantity										
LAD02	Lading Quantity	X	NO	1/7	Conditional						
	Description: Number of units (pieces) of the lading commodity										
LAD05	Weight Unit Code.	X	ID	1/1	Conditional						
	Description: Code specifying the weight unit. Below codes are supported.										
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>L</td> <td>Pound</td> </tr> <tr> <td>K</td> <td>Kilogram</td> </tr> </tbody> </table>	Code	Name	L	Pound	K	Kilogram				
Code	Name										
L	Pound										
K	Kilogram										
LAD06	Weight	X	R	1/10	Conditional						
	Description: Numeric value of weight										
LAD11	Product/Service ID Qualifier	X	ID	2/2	Optional						

	Description : Product qualifier				
LAD12	Product/Service ID Qualifier	X	ID	1/48	Conditional
	Description : Product qualifier				
LAD13	Lading Description	O	AN	1/50	Optional
	Description: Description of an item as required for rating and billing purposes				

**Example:**

LAD\*CAS\*50\*\*\*K\*20\*\*\*\*\*015092 - BEARING CUP~

**Syntax Notes:**

If either LAD01 or LAD02 is present, then the other is required.

If either LAD03 or LAD04 is present, then the other is required.

If either LAD05 or LAD06 is present, then the other is required.

If either LAD07 or LAD08 is present, then the other is required.

If either LAD09 or LAD10 is present, then the other is required.

If either LAD11 or LAD12 is present, then the other is required.

<b>NTE</b>	<b>Note/Special Instruction</b>	<b>Optional</b>	<b>Max: 20</b>
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User Option (Usage): Optional

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
NTE01	Note Reference Code	O	ID	3/3	Optional
	Description: Code identifying the functional area or purpose for which the note applies				
	<b>Code</b>	<b>Name</b>			
	ADD	Additional Information.			
	OTH	Pickup instructions			
	DEL	Delivery instructions			
NTE02	Description	M	AN	1/80	Must Use
	Description: A free-form description to clarify the related data elements and their content				

**Example:**

NTE\*ADD\*Other Instruction.



					al				
	Description: Free-form name								
N103	Identification Code Qualifier	X	ID	1/2	Conditional				
	Description: Code designating the system/method of code structure used for Identification Code (67) Below codes are supported. <table border="1" data-bbox="304 524 678 672"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>93</td> <td>Code assigned by originating organization</td> </tr> </tbody> </table>					Code	Name	93	Code assigned by originating organization
Code	Name								
93	Code assigned by originating organization								
N104	Identification Code	X	AN	2/80	Conditional				
	Description: Code identifying a party or other code								

**Example:**

N1\*SF\*CustomerA - CustomerA DC\*93\*CustomerA DC

**Syntax Notes:**

At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required

**N2 Additional Name Information Optional Max: 1**

User Option (Usage): Optional

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
N201	Name	M	AN	1/60	Must Use
	Description: Additional Name				
N202	Name	O	AN	1/60	Optional
	Description: Additional Name				

**N3 Address Information Optional Max: 2**

User Option (Usage): Optional

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
N301	Address Information	M	AN	1/55	Must Use



	Description: Address information Location address information.				
N302	Address Information	O	AN	1/55	Used
	Description: Address information Location address information.				

**Example:**

N3\*600 NORTHERN BLVD\*ROUTING #3226-2240

<b>N4</b>	<b>Geographic Location</b>	<b>Optional</b>	<b>Max: 1</b>
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User Option (Usage): Optional

Purpose: To specify the geographic place of the named party

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
N401	City Name	O	AN	2/30	Optional
	Description: Free-form text for city name				
N402	State or Province Code	O	AN	2/2	Optional
	Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	Identification Code Qualifier	X	ID	1/2	Conditional
	Description: Code designating the system/method of code structure used for Identification Code (67)				
N404	Country Code	O	ID	2/3	Optional
	Description: Code identifying the country.				

**Example:**

N4\*Sunnyvale\*CA\*94086\*US~

**Loop loopL5 Commodity Code Details Optional Repeat 99**

User Option (Usage): Optional

**Loop Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1300	L5	Commodity Code	O	1		Optional

**L5 Commodity Codes Optional Max: 1**

User Option (Usage): Optional

**Element Summary:**

<b>Ref</b>	<b>Element Description</b>		<b>Req</b>	<b>Type</b>	<b>Min/Max</b>	<b>Usage</b>
L501	Lading Line Item Number		O	ID	1/3	Optional
	Description: Sequential line number for a lading item					
L502	Lading Description		O	AN	1/50	Optional
L503	Commodity Code		O	AN	1/30	Optional
L504	Commodity Code Qualifier		O	ID	1/1	Optional
	<b>Code</b>	<b>Name</b>				
	Z	Pickup Commodity code.				
L506	Marks and Numbers		O	AN	1/48	Optional
L507	Marks and Numbers Qualifier		O	ID	1/2	Optional
	<b>Code</b>	<b>Name</b>				
	S	Entire Shipment (Shipment Number)				
	L	Line Item Only (Item Name)				

L508	Commodity Code Qualifier		O	ID	1/1	Optional
	<b>Code</b>	<b>Name</b>				
	N	Delivery Commodity code				
L509	Commodity Code		O	AN	1/30	Optional

**Example:**

L5\*2\*EDI204-01092206\*\*\*\* \*L

**Loop loopG61 Contact Optional Repeat 99**

User Option (Usage): Optional

**Loop Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1400	G61	Contact	O	1		Optional

**G61 Contact Optional Max: 1**

User Option (Usage): Optional

**Element Summary:**

<b>Ref</b>	<b>Element Description</b>	<b>Req</b>	<b>Type</b>	<b>Min/Max</b>	<b>Usage</b>
G6101	Contact Function Code	M	ID	2/2	Must Use
	Description: Code identifying the major duty or responsibility of the person or group named				
	<b>Code</b>	<b>Name</b>			
	IC	Information Contact			
G6102	Name	M	AN	1/60	Must Use
G6103	Communication Number Qualifier	X	ID	2/2	Conditional
	Description : Code identifying the type of communication number				
	<b>Code</b>	<b>Name</b>			
	TE	Telephone			
G6104	Communication Number	X	AN	1/80	Conditional
	Description: communications number including country or area code when applicable				

**Example:**

G61\*IC\*Test\*TE\*9423224400

**Loop loopLH1 Hazardous Identification Information Optional Repeat 25**

User Option (Usage): Optional

**Loop Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1430	LH1	Hazardous Identification Information	O	1		Optional

**LH1 Hazardous Identification Information Optional Max: 1**

User Option (Usage): Optional

**Element Summary:**

<b>Ref</b>	<b>Element Description</b>	<b>Req</b>	<b>Type</b>	<b>Min/ Max</b>	<b>Usage</b>
LH101	Unit or Basis for Measurement Code	M	ID	2/2	Must Use
	Description: the units in which a value is being expressed, or way a measurement has been taken				
LH102	Lading Quantity	M	NO	1/7	Must Use
	Description: Number of units (pieces) of the lading commodity				
LH103	UN/NA Identification Code	O	ID	6/6	Optional
LH110	Packing Group Code	O	ID	1/3	Optional
	Description: Indicating degree of danger in terms of Roman number I, II or III				
LH111	Interim Hazardous Material Regulatory Number	O	AN	1/5	Optional
	Description: Identifies the current regulatory version number used for hazardous materials				

	shipments
--	-----------

**Example:**

LH1\*LB\*10\*ID8000\*\*\*\*\*I\*All

<b>LH2</b>	<b>Hazardous Classification Information</b>	<b>Optional</b>	<b>Max: 4</b>
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User Option (Usage): Optional

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage						
LH201	Hazardous Classification	O	ID	1/30	Optional						
	Description: The hazardous classification corresponding to the shipping name of the hazardous commodity										
LH206	Unit or Basis for Measurement Code	X	ID	2/2	Conditional						
	Description: the units in which a value is being expressed, or manner in which a measurement has been taken										
LH207	Temperature	X	R	1/4	Conditional						
	Description: Temperature										
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>CE</td> <td>CELSIUS</td> </tr> <tr> <td>FA</td> <td>FAHRENHEIT</td> </tr> </tbody> </table>	Code	Name	CE	CELSIUS	FA	FAHRENHEIT				
Code	Name										
CE	CELSIUS										
FA	FAHRENHEIT										

**Example:**

LH2\*9

<b>LH3</b>	<b>Hazardous Material Shipping Name</b>	<b>Optional</b>	<b>Max: 10</b>
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User Option (Usage): Optional

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
LH301	Hazardous Material Shipping Name	X	AN	1/25	Conditional
	Description: The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49				
LH302	Hazardous Material Shipping Name Qualifier	X	ID	1/1	Conditional
	Description: Qualifier indicating the source (regulatory) of the proper shipping name				

**Example:**

LH3\*4.1\*D

<b>LFH</b>	<b>Freeform Hazardous Material Information</b>	<b>Optional</b>	<b>Max: 20</b>
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User Option (Usage): Optional

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
LFH01	Hazardous Material Shipment Information Qualifier	M	ID	3/3	Must Use
LFH02	Hazardous Material Shipment Information	M	AN	1/25	Conditional
LFH03	Hazardous Material Shipment Information	O	AN	1/25	Optional

**Example:**

LFH\*ADI\*9-null-null

<b>L3</b>	<b>Total Weight and Charges</b>	<b>Optional</b>	<b>Max: 1</b>
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User Option (Usage): Optional

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage				
L301	Weight	X	R	1/10	Conditional				
	Description: Numeric value of weight								
L302	Weight Qualifier	X	ID	1/2	Conditional				
	Description: Code defining the type of weight Below code is supported.								
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>G</td> <td>Gross Weight</td> </tr> </tbody> </table>	Code	Name	G	Gross Weight				
Code	Name								
G	Gross Weight								
L303	Freight Rate	X	R	1/9	Conditional				
	Description: Rate that applies to the specific commodity								
L304	Rate/Value Qualifier	X	ID	2/2	Conditional				
	Description: Code qualifying how to extend charges or interpret value Below code is supported.								
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>FR</td> <td>Freight Rate.</td> </tr> </tbody> </table>	Code	Name	FR	Freight Rate.				
Code	Name								
FR	Freight Rate.								
L305	Charge	O	N2	1/12	Conditional				



	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												
L306	Advances	O	N2	1/9	Optional								
	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												
L307	Prepaid Amount	O	N2	1/9	Optional								
	Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified												
L308	Special Charge or Allowance Code	O	ID	3/3	Optional								
	Description: Code identifying type of special charge or allowance												
L309	Volume	X	R	1/8	Conditional								
	Description: Value of volumetric measure.												
L310	Volume Unit Qualifier	X	ID	1/1	Conditional								
	Description: Code identifying the volume unit. Below code is supported.												
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>E</td> <td>Cubic Feet.</td> </tr> <tr> <td>N</td> <td>Cubic Inch</td> </tr> <tr> <td>X</td> <td>Cubic Meters</td> </tr> </tbody> </table>					Code	Name	E	Cubic Feet.	N	Cubic Inch	X	Cubic Meters
Code	Name												
E	Cubic Feet.												
N	Cubic Inch												
X	Cubic Meters												
L312	Weight Unit of Measurement	O	ID	1/1	Optional								
	Description: Code specifying the weight unit. Below code is supported.												
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>118</td> <td>Weight UOM.</td> </tr> </tbody> </table>					Code	Name	118	Weight UOM.				
Code	Name												
118	Weight UOM.												

**Example:**

L3\*5555\*G\*2000\*FR\*\*\*\*\*O\*E\*\*K

**Syntax Notes:**

If either L301 or L302 is present, then the other is required.

If either L303 or L304 is present, then the other is required.

If either L309 or L310 is present, then the other is required.

If L312 is present, then L301 is required.

If either L314 or L315 is present, then the other is required.

<b>SE</b>	<b>Transaction Set Trailer</b>	<b>Mandatory</b>	<b>Max: 1</b>
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User Option (Usage): Used

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
SE01	Number of Included Segments	M	N0	1/10	Used
	Count of segments included (does not include Header and Footer segments)				
SE02	Transaction Set Control Number	M	AN	4/9	Used
	Same as Transaction Set Control Number as in ST segment				

**Example:**

SE\*29\*10821

<b>GE</b>	<b>Functional Group Trailer</b>	<b>Mandatory</b>	<b>Max: 1</b>
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User Option (Usage): Must Use

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
GE01	Number of Transaction Sets Included	M	NO	1/6	Must Use
	Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	Group Control Number	M	NO	1/9	Must Use
	Description: Assigned number originated and maintained by the sender. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.				

**Example:**

GE\*1\*643

<b>IEA</b>	<b>Interchange Control Trailer</b>	<b>Mandatory</b>	<b>Max: 1</b>
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User Option (Usage): Must Use

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

**Element Summary:**

Ref	Element Description	Req	Type	Min/Max	Usage
IEA01	Number of Included Functional Groups	M	NO	1/5	Must Use
	Description: A count of the number of functional groups included in an interchange				
IEA02	Interchange Control Number	M	NO	9/9	Must Use
	Description: A control number assigned by the interchange sender				

**Example:**

IEA\*1\*000000643

**Sample EDI 204:**

ISA\*00\* \*00\* \*ZZ\*ONENETWORK \*02\*CARA \*190327\*1441\*U\*00401\*00000643\*1\*T\*>~  
GS\*SM\*ONENETWORK\*CARA\*20190327\*1441\*643\*X\*004010~  
ST\*204\*10821~  
B2\*\*CARA\*\*M-1120\*K\*PP\*B~  
B2A\*00~  
L11\*CustomerA\*TCE~  
L11\*CustomerA\*TCO~  
G62\*64\*20190327\*1\*1536\*GM~  
N7\*\*Truck\*40\*G\*\*\*\*150\*E\*\*TV~  
S5\*1\*CL~  
L11\*1120\*SI~  
G62\*37\*20190406\*I\*1323\*MS~  
G62\*38\*20190406\*K\*1323\*MS~  
LAD\*CAS\*50\*\*\*K\*20\*\*\*\*\*015092 - BEARING CUP~  
LAD\*CAS\*100\*\*\*K\*20\*\*\*\*\*027876 - BEARING CONE~  
NTE\*ADD\*Other Instruction. ~  
N1\*SF\*CustomerA - CustomerA DC\*93\*CustomerA DC~  
N3\*California Plant\*800 East El Camino Real~  
N4\*Sunnyvale\*CA\*94086\*US~S5\*2\*CU~  
L11\*1120\*SI~  
G62\*53\*20190427\*G\*1323\*MS~  
G62\*54\*20190427\*L\*1323\*MS~  
LAD\*CAS\*50\*\*\*K\*20\*\*\*\*\*015092 - BEARING CUP~  
LAD\*CAS\*100\*\*\*K\*20\*\*\*\*\*027876 - BEARING CONE~  
NTE\*ADD\*Other Instruction. ~  
N1\*ST\*CustomerA - CustomerAPlant1\*93\*CustomerAPlant1~  
N3\*California Plant\*800 East El Camino Real~  
N4\*Sunnyvale\*CA\*94086\*US~  
L3\*40\*G\*30\*FR\*\*\*\*\*150\*E~  
SE\*29\*10821~  
GE\*1\*643~

IEA\*1\*00000643~