



EDI X12 204

Motor Carrier Load Tender

(LTL)

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Revision History

Revision	Date	Prepared By	Comments
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204 Motor Carrier Load Tender

Functional Group=SM

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Motor Carrier Load Tender Transaction Set (204) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to allow shippers or other interested parties to offer (tender) a shipment to a full load (**Other than 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	Segment Terminator: ~ Each segment in this message is separated by a ~ character Element Separator: * sign indicates the start of a new element, either a simple or composite element Sub element separator: + 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>
100	ST	Transaction Set Header	M	1		Must Use
200	B2	Beginning Segment for Shipment Information Transaction	M	1		Must Use
300	B2A	Set Purpose	M	1		Must Use
800	L11	Business Instructions and Reference Number	O	50		Optional
900	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>
Loop ID - loopN7 N7			<u>O</u>	<u>1</u>	<u>10</u>	
2000	N7	Equipment Details	O	1	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>
Loop ID - loopS5 S5			<u>M</u>	<u>1</u>	<u>999</u>	
100	S5	Stop-off Details	M	1		Must Use
200	L11	Business Instructions and Reference Number	O	50		Optional
300	G62	Date/Time	O	2		Optional
500	LAD	Lading Detail	O	999		Optional
650	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>
Loop ID - loopN1 N1			<u>O</u>		<u>1</u>	
700	N1	Name	O	1		Optional
900	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>
Loop ID - loopL5 L5			<u>O</u>		<u>1</u>	
1300	L5	Lading Line Item Number	O	1		Optional

<u>Loop ID - loopG61 G61</u>			<u>O</u>	<u>1</u>	
1400	G61	Contact	O	1	Optional

<u>Loop ID - loopLH1 LH1</u>			<u>O</u>	<u>1</u>	
1430	LH1	Name	O	1	Optional
1440	LH2	Address Information	O	4	Optional
1450	LH3	Geographic Location	O	10	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>
100	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

ISA Interchange Control Header**Mandatory****Max: 1**

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><tr><td>Code</td><td>Name</td></tr><tr><td>02</td><td>SCAC (Standard Carrier Alpha Code)</td></tr></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	NO	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				

GS Functional Group Header**Mandatory****Max: 1**

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 Code List Summary <table><tr><td>Code</td><td>Name</td></tr><tr><td>SM</td><td>Motor Carrier Load Tender (204)</td></tr></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 CCYYMMDD								
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	N0	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								

ST Transaction Set Header**Mandatory****Max: 1**

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><tr><td>Code</td><td>Name</td></tr><tr><td>204</td><td>Motor Carrier Load Tender</td></tr></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								

B2 Beginning Segment for Shipment Information Transaction**Mandatory****Max: 1**

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 <i>One Usage: Not used</i>										
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. <i>One Usage: Not used</i>										
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.										
B206	Shipment Method of Payment	M	ID	2/2	Must Use						
	Description: Code identifying payment terms for transportation charges Acceptable codes are limited to: <table><tr><th>Code</th><th>Name</th></tr><tr><td>PP</td><td>Prepaid</td></tr><tr><td>CC</td><td>Collect</td></tr></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. Acceptable codes are limited to: <table><tr><th>Code</th><th>Name</th></tr><tr><td>F</td><td>Multiple shipments in stop</td></tr><tr><td>B</td><td>Single shipment in stop.</td></tr></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.										

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 Acceptable codes are limited to: <table><tr><th>Code</th><th>Name</th></tr><tr><td>00</td><td>Original</td></tr><tr><td>01</td><td>Cancellation</td></tr></table>					Code	Name	00	Original	01	Cancellation
Code	Name										
00	Original										
01	Cancellation										

L11 Business Instructions and Reference Number**Optional****Max: 50**

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. Acceptable codes are limited to: <table><tr><th>Code</th><th>Name</th></tr><tr><td>TCE</td><td>Transportation Controlling Enterprise Name</td></tr><tr><td>TCO</td><td>Transportation Controlling Organization Name</td></tr><tr><td>ZZ</td><td>Creation User</td></tr></table>					Code	Name	TCE	Transportation Controlling Enterprise Name	TCO	Transportation Controlling Organization Name	ZZ	Creation User
Code	Name												
TCE	Transportation Controlling Enterprise Name												
TCO	Transportation Controlling Organization Name												
ZZ	Creation User												

Syntax Notes:

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

G62 Date/Time**Optional****Max: 1**

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 Acceptable codes are limited to:				

	<table><tr><th>Code</th><th>Name</th></tr><tr><td>64</td><td>must respond by</td></tr></table>	Code	Name	64	must respond by																								
Code	Name																												
64	must respond by																												
G6202	Date	X	DT	8/8	Conditional																								
	Description: Date expressed as CCYYMMDD Note: If TenderExpireTime is not present then TenderExpireTime is calculated as tender time + 60 minutes If TenderTime and TenderExpireTime are not present then TenderExpireTime is calculated as current time + 60 minutes																												
G6203	Time Qualifier	X	ID	1/2	Conditional																								
	Description: Code specifying the reported time Acceptable codes are limited to: <table><tr><th>Code</th><th>Name</th></tr><tr><td>1</td><td>must respond by</td></tr></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><tr><th>Code</th><th>Name</th></tr><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><tr><td>TS</td><td>Atlantic Standard Time</td></tr><tr><td>TT</td><td>Atlantic Time</td></tr><tr><td>CD</td><td>Central Daylight Time</td></tr><tr><td>CS</td><td>Central Standard Time</td></tr><tr><td>CT</td><td>Central Time</td></tr><tr><td>ED</td><td>Eastern Daylight Time</td></tr><tr><td>ES</td><td>Eastern Standard Time</td></tr></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	CS	Central Standard Time	CT	Central Time	ED	Eastern Daylight Time	ES	Eastern Standard 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

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.

NTE Note/Special Instruction**Optional****Max: 10**

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								
	<table><tr><th>Code</th><th>Name</th></tr><tr><td>ADD</td><td>Additional Information.</td></tr></table>	Code	Name	ADD	Additional Information.				
Code	Name								
ADD	Additional Information.								
NTE02	Description	M	AN	1/80	Must Use				
	Description: A free-form description to clarify the related data elements and their content								

Loop N7 Loop Equipment Details**Mandatory Repeat 10**

User Option (Usage): Optional

Loop Summary:

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

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

User Option (Usage): Optional

Purpose: To identify the equipment

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage				
N701	Equipment Initial	O	AN	1/4	Optional				
	Description: Code indicating the status of a shipment <i>One Usage: Not used</i>								
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	Condition al				
	Description: Numeric value of weight								
N704	Weight Qualifier	X	ID	1/2	Condition al				
	Description: Code defining the type of weight. Below code is supported.								
	<table><tr><th>Code</th><th>Name</th></tr><tr><td>G</td><td>Gross Weight.</td></tr></table>	Code	Name	G	Gross Weight.				
Code	Name								
G	Gross Weight.								
N705	Tare Weight	X	NO	3/8	Condition				

					al	
	Description: Weight of the equipment <i>One Usage: Not used</i>					
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). <i>One Usage: Not used</i>					
N707	Dunnage. <i>One Usage: Not used</i>	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
	Code	Name				
	E	Cubic Feet.				
	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. <i>One Usage: Not used</i>					
N711	Equipment Description Code	O	ID	2/2	Optional	
	Description: Code identifying type of equipment used for shipment					
N712	Standard Carrier Alpha Code	O	ID	2/4	Optional	
	Description: Standard Carrier Alpha Code. <i>One Usage: Not used</i>					
N713	Temperature Control	O	AN	3/6	Optional	
	Description: Free-form abbreviation of temperature range or flash-point temperature. <i>One Usage: Not used</i>					
N714	Position	O	AN	1/3	Optional	
	Description : Relative position of shipment in car, trailer, or container (mutually defined). <i>One Usage: Not used</i>					
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)					
N722	Equipment Type	O	ID	4/4	Optional	
	Description: Code identifying equipment type. <i>One Usage: Not used</i>					

Example:

N7**Truck*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.

Loop S5 Loop Stop-off Details**Mandatory Repeat 999**

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

S5 Stop-off Details**Mandatory****Max: 1**

User Option (Usage): Mandatory

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

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
S501	Stop Sequence Number	M	NO	1/3	Mandatory
	Description: he 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.				
	Code	Name			
	CL	Complete Load			
	PL	Partial Load			
	CU	Complete Unload			
	PU	Partial Unload			

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.

L11 Business Instructions and Reference Number**Optional****Max: 1**

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><tr><th>Code</th><th>Name</th></tr><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></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												

Syntax Notes:

At least one of L1101 or L1103 is required.

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

G62 Date/Time**Optional****Max: 2**

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 Acceptable codes are limited to:														
	<table><tr><th>Code</th><th>Name</th></tr><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></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 CCYYMMDD																								
G6203	Time Qualifier	X	ID	1/2	Conditional																				
	Description: Code specifying the reported time Acceptable codes are limited to: <table><tr><th>Code</th><th>Name</th></tr><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></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><tr><th>Code</th><th>Name</th></tr><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><tr><td>TS</td><td>Atlantic Standard Time</td></tr><tr><td>TT</td><td>Atlantic Time</td></tr><tr><td>CD</td><td>Central Daylight Time</td></tr><tr><td>CS</td><td>Central Standard Time</td></tr><tr><td>CT</td><td>Central Time</td></tr></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	CS	Central Standard Time	CT	Central 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*1223*MS

G62*38*20190406*K*1223*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.

LAD Lading Detail**Optional****Max:
999**

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><tr><th>Code</th><th>Name</th></tr><tr><td>CAS</td><td>Case Quantity</td></tr></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><tr><th>Code</th><th>Name</th></tr><tr><td>L</td><td>Pound</td></tr><tr><td>K</td><td>Kilogram</td></tr></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										
LAD13	Lading Description	O	AN	1/50	Optional						
	Description: Description of an item as required for rating and billing purposes										

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.

NTE Note/Special Instruction**Optional****Max: 20**

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						
	<table><tr><th>Code</th><th>Name</th></tr></table>	Code	Name				
Code	Name						

	ADD	Additional Information.				
NTE02	Description		M	AN	1/80	Must Use
	Description: A free-form description to clarify the related data elements and their content					

Loop N1 Loop Stop-off Details**Optional****Repeat 1**

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>
0700	N1	Name	O	1		Optional
0900	N3	Address Information	O	2		Optional
1000	N4	Note/Special Instruction	O	1		Optional

N1 Name**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						
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><tr><th>Code</th><th>Name</th></tr><tr><td>SF</td><td>Ship From</td></tr><tr><td>ST</td><td>Ship To</td></tr></table>					Code	Name	SF	Ship From	ST	Ship To
Code	Name										
SF	Ship From										
ST	Ship To										
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><tr><th>Code</th><th>Name</th></tr><tr><td>93</td><td>Code assigned by originating organization</td></tr></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
--	---

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 specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
N201	Name	M	AN	1/60	Must Use
	Description: Free-form 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				

N4 Geographic Location**Optional****Max: 1**

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.
--	--

Loop L5 Loop Description, Marks and Numbers**Mandatory 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	Description, Marks and Numbers	O	1		Optional

L5 Description, Marks and Numbers**Optional****Max: 1**

User Option (Usage): Optional

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Element Description</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L502	Lading Description	O	AN	1/50	Optional
	Description: Description of an item as required for rating and billing purposes <i>One Usage: This field is auto incremented from 1 for every stop, but this field does not correlate to any field on ONE model.</i>				

Loop G61 Loop 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: 99**

User Option (Usage): Optional

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

Element Summary:

<u>Ref</u>	<u>Element Description</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6101	Contact Function Code	M	ID	2/2	Must Use
	Description: Code identifying the major duty or responsibility of the person or group named				
G6102	Name	M	AN	1/60	Must Use
	Description: Free-form name				
G6103	Communication Number Qualifier	X	ID	2/2	Conditional

	Description: Code identifying the type of communication number				
G6104	Communication Number	X	AN	1/80	Optional
	Description: Complete communications number including country or area code when applicable				

Loop LH1 Loop Contact**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
1440	LH2	Hazardous Classification Information	O	4		Optional
1450	LH3	Hazardous Material Shipping Name	O	10		Optional

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

User Option (Usage): Optional

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

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
LH101	Unit or Basis for Measurement Code	M	ID	2/2	Must Use
	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
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
	Description: Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America				
LH110	Hazardous Materials Page	O	AN	1/6	Optional
	Description: The United Nations page number as required for the international transport of hazardous materials				

Example:

LH1*KG*40*UN1234*****I

LH2 Hazardous Classification Information**Optional****Max: 4**

User Option (Usage): Optional

Purpose: To specify the hazardous notation and endorsement information

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				
LH202	Hazardous Class Qualifier	O	ID	14/40	Optional
	Description: Code qualifying hazardous class				

LH3 Hazardous Material Shipping Name**Optional****Max: 10**

User Option (Usage): Optional

Purpose: To specify the hazardous material shipping name and additional descriptive requirements

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
LH201	Hazardous Material Shipping Name	X	AN	1/24	Conditional
	Description: The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49				
LH202	Hazardous Material Shipping Name Qualifier	X	ID	1/1	Conditional
	Description: Qualifier indicating the source (regulatory) of the proper shipping name				

L3 Total Weight and Charges**Optional****Max: 1**

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><tr><th>Code</th><th>Name</th></tr><tr><td>G</td><td>Gross Weight</td></tr></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><tr><th>Code</th><th>Name</th></tr><tr><td>FR</td><td>Freight Rate.</td></tr></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. <i>One Usage: Not used</i>								
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 re consignment, icing) expressed in the standard monetary denomination for the currency specified. <i>One Usage: Not used</i>								
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. <i>One Usage: Not used</i>								
L308	Special Charge or Allowance Code	O	ID	3/3	Optional				
	Description: Code identifying type of special charge or allowance. <i>One Usage: Not used</i>								
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><tr><th>Code</th><th>Name</th></tr><tr><td>E</td><td>Cubic Feet.</td></tr></table>	Code	Name	E	Cubic Feet.				
Code	Name								
E	Cubic Feet.								

Example:

L3*40*G*30*FR*****150*E

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.

SE Transaction Set Trailer**Mandatory****Max: 1**

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				

GE Functional Group Trailer**Mandatory****Max: 1**

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	N0	1/6	Must Use
	Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	Group Control Number	M	N0	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.				

IEA Interchange Control Trailer**Mandatory****Max: 1**

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	N0	1/5	Must Use
	Description: A count of the number of functional groups included in an interchange				
IEA02	Interchange Control Number	M	N0	9/9	Must Use
	Description: A control number assigned by the interchange sender				

Sample EDI 204:

ISA*00* *00* *ZZ*ELOGEX *02*CARA *190402*1443*U*00401*000000661*1*T*>~
 GS*SM*ELOGEX*CARA*20190402*1443*661*X*004010~
 ST*204*10839~
 B2**CARA**M-1120*K*PP*B~
 B2A*00~
 L11*CustomerA*TCE~
 L11*CustomerA*TCO~
 L11*CustomerAUser*ZZ~
 G62*64*20190402*1*1540*GM~
 NTE*ADD*TestNTESegment~
 N7**Truck*40*G****150*E**TV~
 S5*1*CL~
 L11*1120*SI~
 G62*37*20190406*I*1223*
 G62*38*20190406*K*1223*MS~
 LAD*CAS*50***K*20*****015092 - BEARING CUP~
 LAD*CAS*100***K*20*****027876 - BEARING CONE~
 NTE*ADD*Pickup:Pickup Instruction. Delivery:Delivery Instruction. Other:Other Instructio~
 NTE*ADD*n.~
 N1*SF*CustomerA - CustomerA DC*93*CustomerA DC~
 N3*California Plant*800 East El Camino Real~
 N4*Sunnyvale*CA*94086*US~
 L5*1~
 G61*IC*Test*TE*1234567890~
 LH1*KG*40*UN1234*****I~
 LH2*3*P~
 LH3*1,1,1-Trichloroethane*D~
 S5*2*CU~
 L11*1120*SI~
 G62*53*20190427*G*1123*PS~
 G62*54*20190427*L*1123*PS~
 LAD*CAS*50***K*20*****015092 - BEARING CUP~
 LAD*CAS*100***K*20*****027876 - BEARING CONE~
 NTE*ADD*Pickup:Pickup Instruction. Delivery:Delivery Instruction. Other:Other Instructio~
 NTE*ADD*n.~
 N1*ST*CustomerA - CustomerAPlant1*93*CustomerAPlant1~
 N3*California Plant*800 East El Camino Real~
 N4*Sunnyvale*CA*94086*US~
 L5*2~
 G61*IC*Test*TE*1234567890~
 LH1*KG*40*UN1234*****I~
 LH2*3*P~
 LH3*1,1,1-Trichloroethane*D~
 L3*40*G*30*FR*****150*E~
 SE*43*10839~

GE*1*661~

IEA*1*000000661~