EDI X12 204

Motor Carrier Load Tender

Version: V4010/4030

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Table of Contents

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 charge details in NTE segment
1.3	April 2024	Integration Team	Added LFH, G62 segments. Updated NTE, B2A, MEA, LAD segments.

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	**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:

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

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
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

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
Loop ID - loopN1 N1			**O**		**1**	
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

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
Loop ID - loopN7 N7			**O**	**1**	**10**	
2000	N7	Equipment Details	O	1	1	Optional
2000	MEA	Measurements	O	1		Optional

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
Loop ID - loopS5 S5			**M**	**1**	**999**	
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

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
Loop ID - loopN1 N1			**O**		**1**	
0700	N1	Name	O	1		Optional
0900	N3	Address Information	O	2		Optional
1000	N4	Geographic Location	O	1		Optional

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
Loop ID		**Loop S5 – Loop L5**	**O**	**99**		
1300	L5	Commodity Codes	O	**1**		Optional

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
Loop ID		**Loop L5 – Loop G61**	**O**	**99**		
1400	G61	Contact	O	**1**		Optional

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
Loop ID		**Loop G61 – Loop LH1**	**O**	**25**		
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:

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

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
	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				
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

Within ISA07's description, Code List Summary:

Code	Name
02	SCAC (Standard Carrier Alpha Code)

	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*>~

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>				
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				

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

| 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>				
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

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"				
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	N0	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.				

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. **Acceptable codes are limited to:**				

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:**				

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 **Acceptable codes are limited to:**				

Code	Name
00	Original
01	Cancellation
04	Update

Example:

B2A*00

| 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:**				

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.

| 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>				
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>1</td><td>must respond by</td></tr></table>				
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></table>				

	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.

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| AT5 | Service Level | | | 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
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

| 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				

Code	Name
ADD	Additional Information.
OTH	Pickup instructions
DEL	Delivery instructions
ZZZ	Additional Charges

Ref	Element Description	Req	Type	Min/Max	Usage
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

Loop loopN1	Loop Stop-off Details	Optional	Repeat 1

User Option (Usage): Optional

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
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

N1	Name	Optional	Max: 1

User Option (Usage): Optional

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><td>**Code**</td><td>**Name**</td></tr><tr><td>BT</td><td>Bill To Address</td></tr></table>				
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><td>**Code**</td><td>**Name**</td></tr><tr><td>93</td><td>Code assigned by originating organization</td></tr></table>				
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

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

| **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	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 |

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				
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.				
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

Under N704 description:

Code	Name
G	Gross Weight.

		Code	Name				
		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						
		Code	Name				
		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.

| MEA | Measurements | | | | **Optional** | **Max: 1** |

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.				

Code	Name
DH	Miles
DK	Kilometres

Example : MEA**DS*1160*DH

Loop loopS5	Loop Stop-off Details	Mandatory	Repeat 999

User Option (Usage): Mandatory

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
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: 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. 	Code	Name
---	---
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.

| 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.				

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.

| | **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:** 	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:** 	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 	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.

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>				
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>				
LAD06	Weight	X	R	1/10	Conditional
	Description: Numeric value of weight				
LAD07	Product/Service ID Qualifier	X	ID	2/2	Optional
	Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
LAD08	Product/Service ID	X	AN	1/48	Optional
	Identifying number for a product or service				
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.

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

Code	Name
ADD	Additional Information.
OTH	Pickup instructions
DEL	Delivery instructions

Example:

NTE*ADD*Other Instruction.

Loop loopN1	Loop Stop-off Details	Optional	Repeat 1

User Option (Usage): Optional

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0700	N1	Name	O	1		Optional
0800	N2	Additional Name Information	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. 	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. 	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

| **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.				

Example:

N4*Sunnyvale*CA*94086*US~

Loop loopL5	Commodity Code Details	Optional	Repeat 99

User Option (Usage): Optional

Loop Summary:

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

L5	Commodity Codes	Optional	Max: 1

User Option (Usage): Optional

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
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
	Code / **Name** — Z / Pickup Commodity code.				
L506	Marks and Numbers	O	AN	1/48	Optional
L507	Marks and Numbers Qualifier	O	ID	1/2	Optional
	Code / **Name** — S / Entire Shipment (Shipment Number); L / Line Item Only (Item Name)				
L508	Commodity Code Qualifier	O	ID	1/1	Optional
	Code / **Name** — 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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
1400	G61	Contact	O	1		Optional

G61	Contact	Optional	Max: 1

User Option (Usage): Optional

Element Summary:

Ref	Element Description	Req	Type	Min/ Max	Usage
G6101	Contact Function Code	M	ID	2/2	Must Use
	Description: Code identifying the major duty or responsibility of the person or group named				
	Code Name 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				
	Code Name 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:

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

LH1	Hazardous Identification Information	Optional	Max: 1

User Option (Usage): Optional

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
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	N0	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

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

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				

Code	Name
CE	CELSIUS
FA	FAHRENHEIT

Example:

LH2*9

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

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

| LFH | **Freeform Hazardous Material Information** | Optional | Max: 20 |

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

| 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.				
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.				
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

For L302:

Code	Name
G	Gross Weight

For L304:

Code	Name
FR	Freight Rate.

		Description: Code identifying the volume unit. Below code is supported. 	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. 	Code	Name
118	Weight UOM.					

Example:
L3*5555*G*2000*FR*****0*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.

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				

Example:

SE*29*10821

| 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.				

Example:

GE*1*643

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				

Example:

IEA*1*000000643

Sample EDI 204:

ISA*00*   *00*   *ZZ*ONENETWORK *02*CARA   *190327*1441*U*00401*000000643*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*000000643~