Justransform Trading Partner
Integration Guidelines X12 4010
204

Customer: Clayton Homes
Version: 1.0

Table of Contents

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.

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	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	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	B2	Beginning Segment for Shipment Information Transaction	M	1			Must use
030	B2A	Set Purpose	M	1			Must use
080	L11	Business Instructions and Reference Number	O	50			Used
090	G62	Date/Time	O	1		N1/090	Used
110	AT5	Bill of Lading Handling Requirements	O	6			Used
120	PLD	Pallet Information	O	1			Used
130	NTE	Note/Special Instruction	O	10			Used
LOOP ID - 0100					**5**	**N1/140L**	
140	N1	Name	O	1		N1/140	Used
150	N2	Additional Name Information	O	1			Used
160	N3	Address Information	O	2			Used
170	N4	Geographic Location	O	1			Used
190	G61	Contact	O	3		N1/190	Used
LOOP ID - 0200					**10**		
200	N7	Equipment Details	O	1			Used
208	MEA	Measurements	O	1			Used
210	M7	Seal Numbers	O	2			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - 0300					**999**		
010	S5	Stop Off Details	M	1			Must use
030	G62	Date/Time	O	2		N2/030	Not used
LOOP ID - 0310					**1**		
070	N1	Name	O	1			Used
080	N2	Additional Name Information	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
120	G61	Contact	O	3			Used
LOOP ID - 0350					**999**	**N2/150L**	
150	OID	Order Identification Detail	O	1		N2/150	Used

180	LAD	Lading Detail	O	999			Used
LOOP ID - 0360					**99**	**N2/190L**	
190	L5	Description, Marks and Numbers	O	1		N2/190	Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	L3	Total Weight and Charges	M	1			Used
020	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

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

Notes:

1/090	Segment G62 in header is used to convey the must-respond-by date and time when responding to a 204 transaction.
1/140L	Loop 0100 is used to convey name and address detail relative to bill-to, party controlling freight, or other shipment level name and address information. It is not used to convey ship from or ship to detail which should be handled within loop 0300 in table 2.
1/140	Loop 0100 is used to convey name and address detail relative to bill-to, party controlling freight, or other shipment level name and address information. It is not used to convey ship from or ship to detail which should be handled within loop 0300 in table 2.
1/190	Multiple G61 segments may be sent to represent the various communication number information, such as Telephone, Fax, and Email.
2/030	Use G62 segment either in loop 0300 or loop 0350, but not both.
2/150L	Use loop 0350 for conveying seller's order/invoice level detail or buyer's purchase order level detail. If not using order level detail, this loop should not be used.
2/150	Use loop 0350 for conveying seller's order/invoice level detail or buyer's purchase order level detail. If not using order level detail, this loop should not be used.
2/190L	If sending order level detail within the 0350 loop, then use L5 and AT8 segments in loop 0360 to relay commodity detail. Otherwise, use L5 and AT8 segments within the 0320 loop to relay commodity detail. Use either loop 0320 or loop 0360, but not both.
2/190	If sending order level detail within the 0350 loop, then use L5 and AT8 segments in loop 0360 to relay commodity detail. Otherwise, use L5 and AT8 segments within the 0320 loop to relay commodity detail. Use either loop 0320 or loop 0360, but not both.

ISA   Interchange Control Header

Pos:		**Max: 1**
Not Defined - Mandatory		
Loop: N/A		**Elements: 16**

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	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**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. (Total Codes: 7)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA02	I02	**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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA03	I03	**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. (Total Codes: 2)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA04	I04	**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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA05	I05	**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. (Total Codes: 38)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA06	I06	**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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA07	I05	**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. (Total Codes: 38)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA08	I07	**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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

Description: Date of the interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

Description: Time of the interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA11	I10	**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. (Total Codes: 1)

| ISA12 | I11 | **Interchange Control Version Number** | M | ID | 5/5 | Must use |

Description: Code specifying the version number of the interchange control segments
All valid standard codes are used. (Total Codes: 14)

| ISA13 | I12 | **Interchange Control Number** | M | N0 | 9/9 | Must use |

Description: A control number assigned by the interchange sender

| ISA14 | I13 | **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. (Total Codes: 2)

| ISA15 | I14 | **Usage Indicator** | M | ID | 1/1 | Must use |

Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information
All valid standard codes are used. (Total Codes: 3)

| ISA16 | I15 | **Component Element Separator** | M | | 1/1 | Must use |

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

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use
Purpose: To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

CodeList Summary (Total Codes: 240, Included: 1)

Code	Name
SM	Motor Carrier Load Tender (204)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use

Description: Code identifying party sending transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use

Description: Code identifying party receiving transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS05	337	**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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS07	455	**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. (Total Codes: 2)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS08	480	**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

CodeList Summary (Total Codes: 39, Included: 1)

Code	Name
004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

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:

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

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use
Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set
All valid standard codes are used. (Total Codes: 298)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**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

Semantics:

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

B2 Beginning Segment for Shipment Information Transaction

Pos: 020 **Max: 1**
Heading - Mandatory
Loop: N/A **Elements: 4**

User Option (Usage): Must use
Purpose: To transmit basic data relating to shipment information

Element Summary:

B202	140	**Standard Carrier Alpha Code**	O	ID	2/4	Must use

Description: Must be returned in Tender Response and Shipment Status messages. Standard Carrier Alpha Code

B204	145	**Shipment Identification Number**	O	AN	1/30	Must use

Description: Must be return in Shipment Status message EDI 214 - element B1002, Tender Response message EDI 990 - element B102, and Invoice message EDI 210 – element B303 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)

B206	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

CodeList Summary (Total Codes: 28, Included: 4)

Code	Name
CC	Collect
PP	Prepaid (by Seller)
TP	Third Party Pay
MX	Mixed
DF	Defined by Buyer and Seller

Semantics:

1. B202 contains the Standard Carrier Alpha Code (SCAC) of the carrier that will receive the bill of lading.
2. If B211 is used, B206 will indicate the party or parties responsible for payment of the transportation terms identified in B211.

Comments:

1. B202 is mandatory for transaction set 204.
2. B209 is mandatory for rail transactions.

B2A Set Purpose

User Option (Usage): Must use
Purpose: To allow for positive identification of transaction set purpose

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B2A01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 65, Included: 2)

Code	Name
00	Original
01	Cancellation
04	Change

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B2A02	346	**Application Type**	O	ID	2/2	Not used

Description: Code identifying an application
All valid standard codes are used. (Total Codes: 84)

L11 Business Instructions and Reference Number

<table>
<tr><td>Pos: 080</td><td>Max: 50</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Used
Purpose: To specify instructions in this business relationship or a reference number

Element Summary:

L1101	127	**Reference Identification**	X	AN	1/30	Used
L1102	128	**Reference Identification Qualifier**	X	ID	2/3	Used

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 10)

Code	Name
EQ	Equipment Number
QY	Service Performed Code
SI	Shipper's Identifying Number for Shipment (SID)
TN	Transaction Reference Number
PE	Plant Number

L1103	352	**Description**	X	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

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

Comments:

1. Value from L1101, where L1102 = "TN", must be returned in EDI 990, element N902 where N901 = "TN".
2. Value in L1101, where L1102 = "SI", is the same as B204 – Shipper's Shipment ID
3. Value in L1101, where L1102 = "TC", is used for Transportation Term
4. Value in L1101, where L1102 = "EQ", is used for Equipment Type.
5. Value in L1101, where L1102 = "QY", is used for Transportation Mode.
6. Value in L1101, where L1102 = " CN", is used for PRO Number.

G62 Date/Time

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier**	X	ID	2/2	Used

Description: Code specifying type of date

CodeList Summary (Total Codes: 137, Included: 1)

Code	Name
64	Must Respond By

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6202	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6203	176	**Time Qualifier**	X	ID	1/2	Used

Description: Code specifying the reported time

CodeList Summary (Total Codes: 42, Included: 1)

Code	Name
1	Must Respond By

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6204	337	**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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6205	623	**Time Code**	O	ID	2/2	Used

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
All valid standard codes are used. (Total Codes: 51)

Syntax Rules:

1. R0103 - At least one of G6201 or G6203 is required.
2. P0102 - If either G6201 or G6202 is present, then the other is required.
3. P0304 - If either G6203 or G6204 is present, then the other is required.

Comments:

1. G602 = 64 is the expected response date for the Tender Offer.

AT5 Bill of Lading Handling Requirements

Pos: 110   **Max: 6**
Heading - Optional
Loop: N/A   **Elements: 3**

User Option (Usage): Used
Purpose: To identify Bill of Lading handling and service requirements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT501	152	**Special Handling Code**	X	ID	2/3	Used

Description: Code specifying special transportation handling instructions

CodeList Summary (Total Codes: 526, Included: 2)

Code	Name
HM	Endorsed as Hazardous Material
OTC	Temperature Control

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT503	153	**Special Handling Description**	X	AN	2/30	Used

Description: Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate

Syntax Rules:

1. E0103 - Only one of AT501 or AT503 may be present.
2. E0203 - Only one of AT502 or AT503 may be present.

Comments:

1. AT5 segment is used to communicate requirements for:
2. - Hazardous
3. - Temperature Control

NTE Note/Special Instruction

Pos: 130	**Max: 10**
Heading - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE01	363	**Note Reference Code**	O	ID	3/3	Used

Description: Code identifying the functional area or purpose for which the note applies

SPH - CARRIER_INSTRUCTIONS

CodeList Summary (Total Codes: 241, Included: 5)

Code	Name
SPH	Special Handling
GEN	Entire Transaction Set
ORI	Order Instructions
DEL	Delivery Instructions
CAR	Other Instructions

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE02	352	**Description**	M	AN	1/80	Must use

Description: A free-form description to clarify the related data elements and their content

Comments:

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

Loop Name

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
140	N1	Name	O	1		Used
150	N2	Additional Name Information	O	1		Used
160	N3	Address Information	O	2		Used
170	N4	Geographic Location	O	1		Used
190	G61	Contact	O	3		Used

N1   Name

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

CodeList Summary (Total Codes: 1312, Included: 1)

Code	Name
BT	Bill-To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	~~X~~	~~ID~~	~~1/2~~	~~Not used~~

Description: Code designating the system/method of code structure used for Identification Code (67)
All valid standard codes are used. (Total Codes: 215)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	~~X~~	~~AN~~	~~2/80~~	~~Not used~~

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N105	706	**Entity Relationship Code**	~~O~~	~~ID~~	~~2/2~~	~~Not used~~

Description: Code describing entity relationship
All valid standard codes are used. (Total Codes: 96)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N106	98	**Entity Identifier Code**	~~O~~	~~ID~~	~~2/3~~	~~Not used~~

Description: Code identifying an organizational entity, a physical location, property or an individual
All valid standard codes are used. (Total Codes: 1312)

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N3   Address Information

Pos: 160   **Max: 2**
Heading - Optional
Loop: 0100   **Elements: 2**

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4   Geographic Location

Pos: 170   Max: 1
Heading - Optional
Loop: 0100   Elements: 6

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	**State or Province Code**	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	**Postal Code**	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	**Country Code**	O	ID	2/3	Used
		Description: Code identifying the country				
N405	309	**Location Qualifier**	X	ID	1/2	Used
		Description: Code identifying type of location **All valid standard codes are used. (Total Codes: 172)**				
N406	310	**Location Identifier**	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

G61   Contact

<div style="border:1px solid;">
Pos: 190   Max: 3
Heading - Optional
Loop: 0100   Elements: 5
</div>

User Option (Usage): Used
Purpose: To identify a person or office to whom communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6101	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named

CodeList Summary (Total Codes: 230, Included: 1)

Code	Name
CN	General Contact

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6102	93	**Name**	M	AN	1/60	Must use

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6103	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

CodeList Summary (Total Codes: 40, Included: 3)

Code	Name
EM	Electronic Mail
FX	Facsimile
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6104	364	**Communication Number**	X	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6105	443	**Contact Inquiry Reference**	O	AN	1/20	Not used

Description: Additional reference number or description to clarify a contact number

Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

Comments:

1. G6103 qualifies G6104.

Loop Equipment Details

User Option (Usage): Used
Purpose: To identify the equipment

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
200	N7	Equipment Details	O	1		Used
210	M7	Seal Numbers	O	2		Used

N7   Equipment Details

Pos: 200   **Max: 1**
Heading - Optional
Loop: 0200   **Elements: 1**

User Option (Usage): Used
Purpose: To identify the equipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N702	207	**Equipment Number**	M	AN	1/10	Must use

     Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N711	40	**Equipment Description Code**	O	AN	2/2	Used

     Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

Syntax Rules:

1. P0304 - If either N703 or N704 is present, then the other is required.
2. P0516 - If either N705 or N716 is present, then the other is required.
3. P0809 - If either N708 or N709 is present, then the other is required.

Semantics:

1. N712 is the owner of the equipment.
2. N723 is the operator or carrier of the rights of the equipment.

Comments:

1. N701 is mandatory for rail transactions.
2. N720 and N721 are expressed in inches.

MEA **MEASUREMENTS**

Pos: 210   Max: 2
Heading - Optional
Loop: 0200   Elements: 1

User Option (Usage): Used
Purpose: To record seal numbers used and the organization that applied the seals

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA03	225	**Measurement Value**	M	AN	1/20	Must use

Description: Measurement Value

M7   Seal Numbers

Pos: 210   Max: 2
Heading - Optional
Loop: 0200   Elements: 1

User Option (Usage): Used
Purpose: To record seal numbers used and the organization that applied the seals

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M701	225	**Seal Number**	M	AN	2/15	Must use

              Description: Unique number on seal used to close a shipment

Comments:

1. M705 indicates the name of the organization which applied the seal(s).

Loop Stop Off Details

User Option (Usage): Must use
Purpose: To specify stop-off detail reference numbers and stop reason

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	S5	Stop Off Details	M	1		Must use
030	G62	Date/Time	O	2		Not used
070		Loop 0310	O		1	Used
150		Loop 0350	O		999	Used

S5 Stop Off Details

User Option (Usage): Must use
Purpose: To specify stop-off detail reference numbers and stop reason

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S501	165	**Stop Sequence Number**	M	N0	1/3	Must use

Description: Identifying number for the specific stop and the sequence in which the stop is to be performed

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S502	163	**Stop Reason Code**	M	ID	2/2	Must use

Description: LD = Pick up. UL = Drop off. Code specifying the reason for the stop

CodeList Summary (Total Codes: 19, Included: 5)

Code	Name
LD	Load
PL	Part Load
PU	Part Unload
TL	Transload
UL	Unload

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S503	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight for the Stop location

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S504	188	**Weight Unit Code**	X	ID	1/1	Used

Description: Code specifying the weight unit
All valid standard codes are used. (Total Codes: 8)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S505	382	**Number of Units Shipped**	X	R	1/10	Used

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S506	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

CodeList Summary (Total Codes: 794, Included: 1)

Code	Name
UN	Unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S507	183	**Volume**	X	R	1/8	Used

Description: Value of volumetric measure for the stop location.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S508	184	**Volume Unit Qualifier**	X	ID	1/1	Used

Description: Code identifying the volume unit
All valid standard codes are used. (Total Codes: 16)

Syntax Rules:

1. P0304 - If either S503 or S504 is present, then the other is required.
2. P0506 - If either S505 or S506 is present, then the other is required.
3. P0708 - If either S507 or S508 is present, then the other is required.

Semantics:

1. S509 is the stop reason description.

G62   **Date/Time**

<div style="border:1px solid">

Pos: 030   **Max: 2**
Detail - Optional
Loop: 0300   **Elements: 4**

</div>

User Option (Usage): Not used
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier**	X	ID	2/2	Used

Description: G601 = 37 contains date and time information for Planned Departure at stop location.
G601 = 53 contains date and time information for Planned Arrival at stop location.
Code specifying type of date

CodeList Summary (Total Codes: 137, Included: 7)

Code	Name
10	Requested Ship Date/Pick-up Date
38	Ship Not Later Than Date
53	Deliver Not Before Date
54	Deliver No Later Than Date
68	Requested Delivery Date
70	Scheduled Delivery Date
EP	Earliest Pickup Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6202	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6203	176	**Time Qualifier**	X	ID	1/2	Used

Description: Code specifying the reported time

CodeList Summary (Total Codes: 42, Included: 10)

Code	Name
D	Estimated Departure Time
E	Estimated Arrival Time
Y	Requested Pickup Time
Z	Requested Delivery Time
K	Latest Requested Pick Up Time
L	Latest Requested Delivery Time
U	Scheduled Pick Up Time
X	Scheduled Delivery Time
ED	Earliest Delivery Time
EP	Earliest Pickup Time

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6204	337	**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)

Syntax Rules:

1. R0103 - At least one of G6201 or G6203 is required.
2. P0102 - If either G6201 or G6202 is present, then the other is required.
3. P0304 - If either G6203 or G6204 is present, then the other is required.

Comments:

1. G602 = EP and G604 = EP indicate Earliest Pickup Date and Time at Stop Location.
2. G602 = 53 and G604 = E indicate Planned Arrival Date and Time at Stop Location.
3. G602 = 53 and G604 = ED indicate Earliest Delivery Date and Time at Stop Location.
4. G602 = 37 and G604 = D indicate Planned Departure Date and Time at Stop Location.

Loop Name

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
070	N1	Name	O	1		Used
080	N2	Additional Name Information	O	1		Used
090	N3	Address Information	O	2		Used
100	N4	Geographic Location	O	1		Used
120	G61	Contact	O	3		Used

N1   **Name**

Pos: 070   **Max: 1**
Detail - Optional
Loop: 0310   **Elements: 4**

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

CodeList Summary (Total Codes: 1312, Included: 3)

Code	Name
SF	Ship From
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Not Used

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 215, Included: 1)

Code	Name
93	Code assigned by the organization originating the transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Not Used

Description: Code identifying a party or other code

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. N101 = SF represents ShipFrom Stop information
2. N102 = ST represents ShipTo Stop information
3. N102 = XG represents Intermediate Stop information
4. N103 = 93 represents the Location ID (N104) for the Stop
5. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.N105 and N106 further define the type of entity in N101.

N2 Additional Name Information

User Option (Usage): Used
Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				

N3   Address Information

Pos: 090   **Max: 2**
Detail - Optional
Loop: 0310   **Elements: 2**

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4   Geographic Location

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	**State or Province Code**	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	**Postal Code**	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	**Country Code**	O	ID	2/3	Used
		Description: Code identifying the country				
N405	309	**Location Qualifier**	X	ID	1/2	Used
		Description: Code identifying type of location				

CodeList Summary (Total Codes: 172, Included: 1)

Code	Name
93	Sender's Location Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N406	310	**Location Identifier**	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. Value in N406, when N405 = 93, contains Customers' Location ID, which should be returned in EDI 214 (L1101 where L1102 = LU).
2. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
3. N402 is required only if city name (N401) is in the U.S. or Canada.

G61   Contact

Pos: 120   Max: 3
Detail - Optional
Loop: 0310   Elements: 5

User Option (Usage): Used
Purpose: To identify a person or office to whom communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6101	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named

CodeList Summary (Total Codes: 230, Included: 1)

Code	Name
CN	General Contact

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6102	93	**Name**	M	AN	1/60	Must use

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6103	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

CodeList Summary (Total Codes: 40, Included: 3)

Code	Name
EM	Electronic Mail
FX	Facsimile
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6104	364	**Communication Number**	X	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6105	443	**Contact Inquiry Reference**	O	AN	1/20	Used

Description: Additional reference number or description to clarify a contact number

Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

Comments:

1. Contact information at the Stop Location. G6103 qualifies G6104.

Loop Order Identification Detail

User Option (Usage): Used
Purpose: To specify order identification detail

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
150	OID	Order Identification Detail	O	1		Used
180	LAD	Lading Detail	O	999		Used
190		Loop 0360	O		99	Used

OID   Order Identification Detail

Pos: 150   Max: 1
Detail - Optional
Loop: 0350   Elements: 8

User Option (Usage): Used
Purpose: To specify order identification detail

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OID01	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OID02	324	**Purchase Order Number**	X	AN	1/22	Used

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OID04	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OID05	380	**Quantity**	O	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OID06	188	**Weight Unit Code**	X	ID	1/1	Used

Description: Code specifying the weight unit
All valid standard codes are used. (Total Codes: 8)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OID07	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OID08	184	**Volume Unit Qualifier**	X	ID	1/1	Used

Description: Code identifying the volume unit
All valid standard codes are used. (Total Codes: 16)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OID09	183	**Volume**	X	R	1/8	Used

Description: Value of volumetric measure

Syntax Rules:

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

Semantics:

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

Comments:

1. OID segment is used for Release Line information
2. OID01 is Release ID
3. OID02 is ShipUnit ID

LAD   Lading Detail

User Option (Usage): Used
Purpose: To transmit detailed lading data pertinent to a pickup or delivery

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD02	80	**Lading Quantity**	O	N0	1/7	Used

Description: Number of units (pieces) of the lading commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD03	188	**Weight Unit Code**	O	ID	1/1	Used

Description: Code specifying the weight unit
All valid standard codes are used. (Total Codes: 8)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD04	395	**Unit Weight**	O	R	1/8	Used

Description: Numeric value of weight per unit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD05	188	**Weight Unit Code**	O	ID	1/1	Used

Description: Code specifying the weight unit
All valid standard codes are used. (Total Codes: 8)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD06	81	**Weight**	O	R	1/10	Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD07	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 477, Included: 1)

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD08	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Syntax Rules:

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

Comments:

1. LAD segment is used for ShipUnit information
2. LAD08 is the ShipUnit ID with LAD07 = ZZ

Loop Description, Marks and Numbers

User Option (Usage): Used
Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
190	L5	Description, Marks and Numbers	O	1		Used

L5 Description, Marks and Numbers

Pos: 190   **Max: 1**
Detail - Optional
Loop: 0360   **Elements: 9**

User Option (Usage): Used
Purpose: To communicate Ship Unit dimension information.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L501	213	**Lading Line Item Number**	O	N0	1/3	Used

Description: Sequential line number for a lading item

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L502	79	**Lading Description**	O	AN	1/50	Used

Description: Expected values:
LENGTH - length of ShipUnit
WIDTH - width of ShipUnit
HEIGHT - height of ShipUnit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L503	22	**Commodity Code**	X	AN	1/30	Used

Description: ShipUnit dimension value

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L504	23	**Commodity Code Qualifier**	X	ID	1/1	Used

Description: Code identifying the commodity coding system used for Commodity Code

CodeList Summary (Total Codes: 23, Included: 1)

Code	Name
Z	Mutually defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L506	87	**Marks and Numbers**	X	AN	1/48	Used

Description: ShipUnit ID

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L507	88	**Marks and Numbers Qualifier**	O	ID	1/2	Used

Description: Code specifying the application or source of Marks and Numbers (87)

CodeList Summary (Total Codes: 20, Included: 1)

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L508	23	**Commodity Code Qualifier**	X	ID	1/1	Used

Description: Code identifying the commodity coding system used for Commodity Code

CodeList Summary (Total Codes: 23, Included: 1)

Code	Name
Z	Mutually defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L509	22	**Commodity Code**	X	AN	1/30	Used

Description: ShipUnit dimension UOM, using X12 standard:
C - Centimeters
E - Feet
N - Inches
X - Meters

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L510	595	**Compartment ID Code**	O	ID	1/1	Used

Description: Used to indicate Stackable flag for value in OID04

CodeList Summary (Total Codes: 6, Included: 2)

Code	Name
1	Non-Stackable

2   Stackable

Syntax Rules:

1. P0304 - If either L503 or L504 is present, then the other is required.
2. C0706 - If L507 is present, then L506 is required.
3. P0809 - If either L508 or L509 is present, then the other is required.

Comments:

1. L502 may be used to send quantity information as part of the product description.
2. L510 is used to communicate Stackable flag for OID04 - ShipUnit Qty UOM

L3   Total Weight and Charges

Pos: 010   Max: 1
Summary - Mandatory
Loop: N/A   Elements: 7

User Option (Usage): Used
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	Id	Element Name	Req	Type	Min/Max	Usage
L301	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L302	187	**Weight Qualifier**	X	ID	1/2	Used

Description: Code defining the type of weight

CodeList Summary (Total Codes: 51, Included: 1)

Code	Name
G	Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L305	58	**Charge**	O	N2	1/12	Used

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
Decimal is implied.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L309	183	**Volume**	X	R	1/8	Used

Description: Value of volumetric measure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L310	184	**Volume Unit Qualifier**	X	ID	1/1	Used

Description: Code identifying the volume unit

CodeList Summary (Total Codes: 16, Included: 7)

Code	Name
C	Cubic Centimeters
E	Cubic Feet
G	Gallons
M	Cubic Decimeters
N	Cubic Inches
V	Liter
X	Cubic Meters

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L311	80	**Lading Quantity**	O	N0	1/7	Used

Description: Total Shipment pallet count

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L312	188	**Weight Unit Code**	O	ID	1/1	Used

Description: Code specifying the weight unit

CodeList Summary (Total Codes: 8, Included: 5)

Code	Name
E	Metric Ton
G	Grams
K	Kilograms
L	Pounds
T	Long Ton

Syntax Rules:

1. P0102 - If either L301 or L302 is present, then the other is required.
2. P0304 - If either L303 or L304 is present, then the other is required.

3. P0910 - If either L309 or L310 is present, then the other is required.
4. C1201 - If L312 is present, then L301 is required.
5. P1415 - If either L314 or L315 is present, then the other is required.

Semantics:

1. L305 is the total charges.

SE   Transaction Set Trailer

Pos: 020	**Max: 1**
Summary - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

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	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**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

Comments:

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

GE   Functional Group Trailer

			Pos:	Max: 1
			Not Defined - Mandatory	
			Loop: N/A	Elements: 2

User Option (Usage): Must use
Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE02	28	**Group Control Number**	M	N0	1/9	Must use

    Description: Assigned number originated and maintained by the sender

Semantics:

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

Comments:

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

IEA   Interchange Control Trailer

			Pos:	Max: 1
			Not Defined - Mandatory	
			Loop: N/A	Elements: 2

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	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Must use

    Description: A count of the number of functional groups included in an interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use

    Description: A control number assigned by the interchange sender