



Justtransform Trading Partner
Integration Guidelines X12 4010
214

Customer: Clayton Homes

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214

Transportation Carrier Shipment Status Message

Functional Group=QM

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Transportation Carrier Shipment Status Message Transaction Set (214) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used by a transportation carrier to provide shippers, consignees, and their agents with the status of shipments in terms of dates, times, locations, route, identifying numbers, and conveyance.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1			Must use
<u>LOOP ID - 0100</u>					<u>5</u>	<u>N1/050L</u>	
050	N1	Name	O	1		N1/050	Used
<u>LOOP ID - 0200</u>					<u>999999</u>	<u>N1/130L</u>	
130	LX	Assigned Number	M	1			Used
<u>LOOP ID - 0205</u>					<u>1</u>		
140	AT7	Shipment Status Details	M	1			Must use
143	MS1	Equipment, Shipment, or Real Property Location	O	1			Used
146	MS2	Equipment or Container Owner and Type	O	1			Used
150	L11	Business Instructions and Reference Number	O	10			Must use
200	AT8	Shipment Weight, Packaging and Quantity Data	O	10			Used
426	BIN	Binary Data	O	1			Used
610	SE	Transaction Set Trailer	M	1			Must use

Notes:

1/130L Only 1 AT7 for each LX loop

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:

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

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 298, Included: 1)

<u>Code</u>	<u>Name</u>
214	Transportation Carrier Shipment Status Message

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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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).

B10 Beginning Segment for Transportation Carrier Shipment Status Message

Pos: 020 Max: 1
Heading - Mandatory
Loop: N/A Elements: 3

User Option (Usage): Must use

Purpose: To transmit identifying numbers and other basic data relating to the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B1001	127	Reference Identification	X	AN	1/30	Used
		Description: BOL Number				
B1002	145	Shipment Identification Number	O	AN	1/30	Must use
		Description: Shipment ID from EDI 204 - element B204. 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)				
B1003	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
		Description: Should match SCAC from EDI 204 – element B202. Standard Carrier Alpha Code				

Syntax Rules:

1. R0106 - At least one of B1001 or B1006 is required.
2. E0105 - Only one of B1001 or B1005 may be present.
3. P0506 - If either B1005 or B1006 is present, then the other is required.

Semantics:

1. B1001 is the carrier assigned reference number.
2. B1007 indicates if the reference numbers included in this transmission were transmitted to the carrier via EDI or key entered by the carrier. A "Y" indicates that the carrier received the reference numbers in an EDI transmission; an "N" indicates that the carrier did not receive the reference numbers in an EDI transmission and key entered the data from a shipper supplied document.

Comments:

1. B1001 is the BOL Number that identifies the shipment.
2. B1003 is required when used in Transaction Set 214.
3. B1006 is the carrier assigned bar code identification or another carrier assigned shipment identification, such as a manifest number.

L11

Business Instructions and Reference Number

Pos: 030	Max: 10
Heading - Optional	
Loop: 0200	Elements: 3

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification	X	AN	1/30	Must use
Description: Number of Flat tires						
L1102	128	Reference Identification Qualifier	X	ID	2/3	Must use
Description: Number of Flat Tires – is required at status event CD						
CodeList Summary (Total Codes: 1503, Included: 5)						
		<u>Code</u>		<u>Name</u>		
		ZZ		Number of Flat Tires		
L1103	352	Description	X	AN	1/80	Not 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. Stop Number (L1102 = QN or L1102 = 2I) must match the value in element S501 from 204 message.

Loop Name

Pos: 050	Repeat: 5
Optional	
Loop: 0100	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	N1	Name	O	1		Used

N1

Name

Pos: 050	Max: 1
Optional (If available)	
Loop: 0100	Elements: 2

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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)

<u>Code</u>	<u>Name</u>
N5	Party Who Signed the Delivery Receipt

N102	93	Name	X	AN	1/60	Used
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Description: Free-form name

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.

Loop Assigned Number

Pos: 130	Repeat: 999999
Mandatory	
Loop: 0200 Elements: N/A	

User Option (Usage): Used

Purpose: To reference a line number in a transaction set

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
130	LX	Assigned Number	M	1		Used
140		Loop 0205	M		1	Used
150	L11	Business Instructions and Reference Number	O	10		Must use
200	AT8	Shipment Weight, Packaging and Quantity Data	O	10		Used

LX

Assigned Number

Pos: 130	Max: 1
Heading - Mandatory	
Loop: 0200	Elements: 1

User Option (Usage): Used

Purpose: To reference a line number in a transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LX01	554	Assigned Number	M	N0	1/6	Used

Description: Number assigned for differentiation within a transaction set

Loop Shipment Status Details

Pos: 140	Repeat: 1
Mandatory	
Loop: 0205	Elements: N/A

User Option (Usage): Used

Purpose: To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
140	AT7	Shipment Status Details	M	1		Must use
143	MS1	Equipment, Shipment, or Real Property Location	O	1		Used
146	MS2	Equipment or Container Owner and Type	O	1		Used

AT7 Shipment Status Details

Pos: 140	Max: 1
Heading - Mandatory	
Loop: 0205	Elements: 5

User Option (Usage): Must use

Purpose: To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT701	1650	Shipment Status Code	X	ID	2/2	Must use
Description: Code indicating the status of a shipment See table A for Status Code List						
AT702	1651	Shipment Status or Appointment Reason Code	X	ID	2/2	Must use
Description: Code indicating the reason a shipment status or appointment reason was transmitted All valid standard codes are used. (Total Codes: 86)						
AT705	373	Date	X	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
AT706	337	Time	X	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)						
AT707	623	Time Code	O	ID	2/2	Must use
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. E0103 - Only one of AT701 or AT703 may be present.
2. P0102 - If either AT701 or AT702 is present, then the other is required.
3. P0304 - If either AT703 or AT704 is present, then the other is required.
4. C0605 - If AT706 is present, then AT705 is required.
5. C0706 - If AT707 is present, then AT706 is required.

Semantics:

1. If AT701 is present, AT705 is the date the status occurred. If AT703 is present, AT705 is a date related to an appointment.
2. If AT701 is present, AT706 is the time of the status. If AT703 is present, AT706 is the time of the appointment.
3. If AT707 is not present then AT706 represents local time of the status.

Comments:

1. Only one Status Code (AT7) per LX loop.

MS1 Equipment, Shipment, or Real Property Location

Pos: 143	Max: 1
Heading - Mandatory	
Loop: 0205	Elements: 3

User Option (Usage): Used

Purpose: The location of the event.

To specify the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MS101	19	City Name	X	AN	2/30	Must use
Description: Free-form text for city name						
MS102	156	State or Province Code	X	ID	2/2	Used
Description: Code (Standard State/Province) as defined by appropriate government agency						
MS103	26	Country Code	X	ID	2/3	Must use
Description: Code identifying the country						

Syntax Rules:

1. L010203 - If MS101 is present, then at least one of MS102 or MS103 is required.
2. E0104 - Only one of MS101 or MS104 may be present.
3. C0201 - If MS102 is present, then MS101 is required.
4. C0301 - If MS103 is present, then MS101 is required.
5. P0405 - If either MS104 or MS105 is present, then the other is required.
6. C0604 - If MS106 is present, then MS104 is required.
7. C0705 - If MS107 is present, then MS105 is required.

Semantics:

1. MS104 is the longitude expressed in Degrees, Minutes, and Seconds.
2. MS105 is the latitude expressed in Degrees, Minutes, and Seconds.
3. MS106 may only be 'E' or 'W'.
4. MS107 may only be 'N' or 'S'.

MS2 Equipment or Container Owner and Type

Pos: 146	Max: 1
Heading - Optional	
Loop: 0205	Elements: 2

User Option (Usage): Used

Purpose: To specify the owner, the identification number assigned by that owner, and the type of equipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MS201	140	Standard Carrier Alpha Code	X	ID	2/4	Used
Description: Standard Carrier Alpha Code						
MS202	207	Equipment Number	X	AN	1/10	Used
Description: If available, used to communicate Trailer Number.						

Syntax Rules:

1. P0102 - If either MS201 or MS202 is present, then the other is required.
2. C0402 - If MS204 is present, then MS202 is required.

Comments:

1. MS202 is used to communicate Trailer Number, if available.

L11

Business Instructions and Reference Number

Pos: 150	Max: 10
Heading - Optional	
Loop: 0200	Elements: 3

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification	X	AN	1/30	Must use
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
L1102	128	Reference Identification Qualifier	X	ID	2/3	Must use
Description: Code "QN" is mandatory. Other codes are optional.						
CodeList Summary (Total Codes: 1503, Included: 5)						
		<u>Code</u>		<u>Name</u>		
		QN		Stop Sequence Number		
L1103	352	Description	X	AN	1/80	Not 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. Stop Number (L1102 = QN or L1102 = 2I) must match the value in element S501 from 204 message.
2. L1101 where L1102 = "AF" is used to communicate Flight Number
3. L1101 where L1102 = "SN" is used to communicate Serial Number

AT8 Shipment Weight, Packaging and Quantity Data

Pos: 200 Max: 10
Heading - Optional
Loop: 0200 Elements: 6

User Option (Usage): Used

Purpose: To specify shipment details in terms of weight, and quantity of handling units

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT801	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			
AT802	188	Weight Unit Code	X	ID	1/1	Used
Description: Code specifying the weight unit.						
When using "KIP" for weight UOM, convert weight value to Short Ton and use AT802 =						
CodeList Summary (Total Codes: 8, Included: 4)						
		Code	Name			
		E	Metric Ton			
		K	Kilograms			
		L	Pounds			
		S	Short Ton			
AT803	81	Weight	X	R	1/10	Used
Description: Numeric value of weight						
AT804	80	Lading Quantity	O	N0	1/7	Used
Description: Number of units (pieces) of the lading commodity						
AT806	184	Volume Unit Qualifier	X	ID	1/1	Used
Description: Code identifying the volume unit.						
When using Canada Gallon, use AT806 = "U"						
CodeList Summary (Total Codes: 16, Included: 6)						
		Code	Name			
		E	Cubic Feet			
		G	Gallons			
		N	Cubic Inches			
		U	Volumetric Unit			
		V	Liter			
		X	Cubic Meters			
AT807	183	Volume	X	R	1/8	Used
Description: Value of volumetric measure						

Syntax Rules:

1. P010203 - If either AT801, AT802 or AT803 are present, then the others are required.
2. P0607 - If either AT806 or AT807 is present, then the other is required.

Semantics:

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

Comments:

1. When using "KIP" for weight UOM, convert weight value to Short Ton and use AT802 = "S".

BIN

Binary Data

Pos: 426	Max: 1
Not Used	
Loop:	Elements: 2

User Option (Usage): Used

Purpose: To specify the owner, the identification number assigned by that owner, and the type of equipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIN01	784	Length of Binary Data	X	N0	1/15	Used
BIN02	785	Binary Data	X	B	1E+16	Used

SE

Transaction Set Trailer

Pos: 610	Max: 1
Heading - 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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						
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.

Table A:

Status Code	Status Description
AF	Carrier Departed Pick-up Location with Shipment
CD	Carrier Departed Delivery Location
P1	Departed Terminal Location
X1	Arrived at Delivery Location
X3	Arrived at Pick-up Location
X5	Arrived at Delivery Location Loading Dock
X8	Arrived at Pick-up Location Loading Dock