214 Transportation Carrier Shipment Status Message

X12/V4010/214 : 214 Transportation Carrier Shipment Status Message

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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.

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	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1			Must use
030	L11	Business Instructions and Reference Number	O	300			Used
LOOP ID - 0100					**10**		
050	N1	Name	O	1			Used
070	N3	Address Information	O	2			Used
080	N4	Geographic Location	O	1			Used
LOOP ID - 0200					**999999**		
130	LX	Assigned Number	O	1			Used
LOOP ID - 0205					**10**		
140	AT7	Shipment Status Details	O	1			Used
143	MS1	Equipment, Shipment, or Real Property Location	O	1			Used
200	AT8	Shipment Weight, Packaging and Quantity Data	O	10			Used
610	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

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				
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)				
ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Security Information				
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)				
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				
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				
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				
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				
ISA09	I08	**Interchange Date**	M	DT	6/6	Must use
		Description: Date of the interchange				
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer				
ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments				
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)				
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				
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

Code	**Name**
QM	Transportation Carrier Shipment Status Message (214)

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

GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use

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

GS04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

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)

GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

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

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

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

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).

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B1001	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
B1002	145	**Shipment Identification Number**	O	AN	1/30	Used

    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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B1003	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use

    Description: 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 carrier's PRO (invoice 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: 300
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1101	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
L1102	128	**Reference Identification Qualifier**	X	ID	2/3	Used

Description: Code qualifying the Reference Identification

Code	Name
BM	Bill of Lading Number
CR	Customer Reference Number
PO	Purchase Order Number

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.

Loop Name

Pos: 050	**Repeat: 10**
	Optional
Loop: 0100	**Elements: N/A**

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
050	N1	Name	O	1		Used
070	N3	Address Information	O	2		Used
080	N4	Geographic Location	O	1		Used

N1 Name

Pos: 050   Max: 1
Heading - Optional
Loop: 0100   Elements: 2

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

Code	Name
BT	Bill-to-Party
CN	Consignee
SH	Shipper

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

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.

N3   Address Information

Pos: 070	**Max: 2**
Heading - Optional	
Loop: 0100	**Elements: 1**

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

N4   Geographic Location

Pos: 080   Max: 1
Heading - Optional
Loop: 0100   Elements: 3

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)				

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.

Loop Assigned Number

Pos: 130	**Repeat: 999999**
	Optional
Loop: 0200	**Elements: N/A**

User Option (Usage): Used

Purpose: To reference a line number in a transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
130	LX	Assigned Number	O	1		Used
140		Loop 0205	O		10	Used
200	AT8	Shipment Weight, Packaging and Quantity Data	O	10		Used

LX   Assigned Number

Pos: 130	**Max: 1**
Heading - Optional	
Loop: 0200	**Elements: 1**

User Option (Usage): Used

Purpose: To reference a line number in a transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LX01	554	**Assigned Number**	M	N0	1/6	Must use

Description: Number assigned for differentiation within a transaction set

Loop Shipment Status Details

Pos: 140   Repeat: 10
Optional
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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
140	AT7	Shipment Status Details	O	1		Used
143	MS1	Equipment, Shipment, or Real Property Location	O	1		Used

AT7   Shipment Status Details

Pos: 140	Max: 1
Heading - Optional	
Loop: 0205	**Elements: 7**

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.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT701	1650	**Shipment Status Code**	X	ID	2/2	Used

Description: Code indicating the status of a shipment

Code	Name
AF	Carrier Departed Pick-up Location with Shipment
AG	Estimated Delivery
AV	Available for Delivery
D1	Completed Unloading at Delivery Location
X4	Arrived at Terminal Location

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT702	1651	**Shipment Status or Appointment Reason Code**	X	ID	2/2	Used

Description: Code indicating the reason a shipment status or appointment reason was transmitted

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT703	1652	**Shipment Appointment Status Code**	X	ID	2/2	Used

Description: Code indicating the status of an appointment to pick-up or deliver a shipment

Code	Name
AB	Delivery Appointment Date and/or Time
X9	Delivery Appointment Secured on This Date and/or Time

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT704	1651	**Shipment Status or Appointment Reason Code**	X	ID	2/2	Used

Description: Code indicating the reason a shipment status or appointment reason was transmitted

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT705	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT706	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
AT707	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

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.

MS1 Equipment, Shipment, or Real Property Location

Pos: 143	**Max: 1**
Heading - Optional	
Loop: 0205	**Elements: 3**

User Option (Usage): Used

Purpose: 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS101	19	**City Name**	X	AN	2/30	Used
		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	Used
		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'.

AT8 Shipment Weight, Packaging and Quantity Data

Pos: 200	**Max: 10**
Heading - Optional	
Loop: 0200	**Elements: 4**

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				
AT802	188	**Weight Unit Code**	X	ID	1/1	Used
		Description: Code specifying the weight unit				
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				

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.

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:

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

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

| IEA02 | I12 | **Interchange Control Number** | M | N0 | 9/9 | Must use |

Description: A control number assigned by the interchange sender