EDI X12 214
Transportation Carrier Shipment Status Message

Version: V4010

Author: Integration (One Network)

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Revision History

Revision	Date	Prepared By	Comments
1.0	Jan 2022	Integration Team	Initial Version
1.1	Dec 2023	Integration Team	MAN Segment added.

214 Transportation Carrier Shipment Status Message

Functional Group=QM

Purpose: This Draft Standard 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. This is used by carriers to support a full load.(**TL**)

EDI 214 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	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1		Must Use
0300	L11	Business Instructions and Reference Number	O	300		Optional
0350	MAN	Marks And Number	O	9999		Optional
Loop ID - 10000 LX			**O**		**999999**	
1300	LX	Assigned Number	O	1		Must Use
Loop ID - 11000 AT7			**O**		**10**	
1400	AT7	Shipment Status Details	M	1		Optional
1430	MS1	Equipment or Container Owner and Type	O	1		Optional
1460	MS2	Equipment or Container Owner and Type	O	1		Optional
1500	L11	Business Instructions and Reference Number	O	10		Optional
1700	K1	Special Instruction	O	10		Optional
2000	AT8	Shipment Weight, Packaging and Quantity Data	O	10		Optional
6100	SE	Transaction Set Trailer	M	1		Must Use

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 Code: 02 — Name: SCAC (Standard Carrier Alpha Code)				
ISA08	Interchange Receiver ID	M	AN	15/15	Must use
	Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them				
ISA09	Interchange Date	M	DT	6/6	Must use
	Description: Date of the interchange				

ISA10	Interchange Time	M	TM	4/4	Must use
	Description: Time of the interchange				
ISA11	Interchange Control Standards Identifier	M	ID	1/1	Must use
	Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.				
ISA12	Interchange Control Version Number	M	ID	5/5	Must use
	Description: Code specifying the version number of the interchange control segments				
ISA13	Interchange Control Number	M	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*       *02*CARA        *ZZ*ONENETWORK    *180525*0659*U*00401*000071412*0*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 Code: QM — Name: Transportation Carrier Shipment Status Message (214)				
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*QM*CARA*ONENETWORK*20180525*065913*71413*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 Code: 214 — Name: Transportation Carrier Shipment Status Message				
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*214*0001

B10	**Beginning Segment for Transportation Carrier Shipment Status Message**	**Mandatory Max: 1**

User Option (Usage): Must Use

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

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
B1001	Reference Identification	C	AN	1/30	Must use
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier. It should contain customer reference key used to identify Enterprise and Organization				
B1002	Shipment Identification Number	O	AN	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				
B1003	Standard Carrier Alpha Code	M	ID	2/4	Must use
	Description: Standard Carrier Alpha Code				
B1004	Inquiry Request Number	O	N0	1/3	Must use
	Description: Code identifying whether it is a shipment or a movement. Code: 2 — Name: Shipment Code: Any — Name: Movement				

Example:

B10* CUSTA*MPHSM1M2BDO120180524*CARA

L11 Business Instructions and Reference Number — Optional — Max: 10

User Option (Usage): Must use

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

Note: The L11 segment is required for every delivery on the Shipment. Only one L11 should be sent per LX loop. If multiple deliveries exist for one shipment, warehouse should send one LX loop with corresponding AT7 loop for each delivery.

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
L1101	Reference Identification	X	AN	1/50	Must use
	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	Used
	Description: Code qualifying the Reference Identification Code List Summary				

Code	Name
CN	Carrier Pro Number
WY	House Waybill Number
MB	Master Bill of Lading
AF	Airlines Flight Identification Number
AAO	Carrier Assigned Code
EQ	Equipment Number
SN	Seal Number
BR	Broker Reference Number
6B	U.S Customs Entry Number
BN	Booking Number
BM	Bill Of Lading Number

Example:

L11*2861745*CN

MAN	Marks And Number	Optional	Repeat 9999

User Option (Usage): Optional
Purpose: Marks And Number

Note: If multiple Zones are not available then first temperature will be considered for entire trailer else repeat the Segment for each Zone. Up to 3 Zone temperatures will be supported.

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
MAN01	Marks and Numbers Qualifier	X	ID	1/2	Must use
	ZZ - Mutually Defined				
MAN02	Marks and Numbers	X	AN	1/48	Must use
	Temperature degree (numeric only)				
MAN03	Marks and Numbers Qualifier	X	AN	1/48	Must use
	C – Celsius **F - Fahrenheit**				

Example:

MAN*ZZ*33*C*ZZ*Zone1

Loop 1300	Loop Assigned Number	Mandatory	Repeat 999999

User Option (Usage): Must use

Purpose: To reference a line number in a transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
1300	LX	Assigned Number	O	1		Must use
1400	AT7	Shipment Status Details	O	1		Must use
1430	MS1	Equipment, Shipment, or Real Property Location	O	1		Must use
1460	MS2	Equipment or Container Owner and Type	O	1		Must Use
1400	L11	Business Instructions and Reference Number	O	10		Must use
1800	AT8	Shipment Weight, Packaging and Quantity Data	O	10		Must Use

LX	Assigned Number	Optional	Max: 1

User Option (Usage): Must use

Purpose: To reference a line number in a transaction set

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
LX01	Assigned Number	M	N0	1/6	Must use
	Description: Number assigned for differentiation within a transaction set				

Example:

LX*1

AT7 Shipment Status Details — Optional — Max: 10

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	Element Description	Req	Type	Min/Max	Usage
AT701	Shipment Status Code	X	ID	2/2	Used
	Description: Code indicating the status of a shipment Code List Summary				

Code	Name
A3	Returned
A7	Refused by Consignee
AF	Picked Up
AH	Attempted Delivery
AM	Loaded
AP	Delivery Not Completed
AV	Available for Delivery
AX	Split Cargo
C1	Equipment Booked
CB	Delivered
CO	Confirmed On board
CP	Ready for Pickup
D1	Unloaded
DR	Documents Received
DV	Documents Verified
I1	In-Gate
K1	Arrived at Customs
L1	Loading
OA	Out-Gate
P1	Departed
PR	Customs Hold
S1	Trailer Spotted
SD	Delayed
X1	Arrived at Delivery location
X2	ETA
X3	Arrived at Pickup location
ZZ	Customs Cleared
X6	Enroute

AT702	Shipment Status or Appointment Reason Code	O	ID	2/2	Used
	Description: Code indicating the reason a shipment status or appointment reason was transmitted				
AT703	Shipment Appointment Status Code	O	N0	1/7	Used
	Description: Code indicating the status of an appointment to pick-up or deliver a shipment Code List Summary				

Code	Name
AA	Pick-up Appointment Date and/or Time
AB	Delivery Appointment Date and/or Time

AT704	Shipment Status or Appointment Reason Code	X	ID	2/2	Not Used
	Description: Code indicating the reason a shipment status or appointment reason was transmitted				

AT705	Date	X	DT	8/8	Used
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
AT706	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)				
AT707	Time Code	X	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 Code List Summary				

Code	Name
AS	Alaska Time (AKST)
CS	Central Time (CST)
ES	Eastern Time (EST)
MS	Mountain Time (MST)
PS	Pacific Time (PST)
TS	Atlantic Time (AST)
AD	Alaska Daylight Time (AKDT)
CD	Central Daylight Time (CDT)
ED	Eastern Daylight Time (EDT)
MD	Mountain Daylight Time (MDT)
PD	Pacific Daylight Time (PDT)
TD	Atlantic Daylight Time (ADT)

Example:

AT7*X6*NS***20180525*0652*CS

MS1 Equipment, Shipment, or Real Property Location — Optional — Max: 1

User Option (Usage): Must use

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

X6 event can be sent starting from every 15 mins.
For X6 event Long/Lat is required for GPS tracking.

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
MS101	City Name	X	AN	2/30	Must use
	Description: Free-form text for city name Event Location City				
MS102	State or Province Code	X	ID	2/2	Must use
	Description: Code (Standard State/Province) as defined by appropriate government agency Event Location State				
MS103	Country Code	X	ID	2/3	Used
	Description: Code identifying the country Event Location Country				
MS104	Longitude Code	X	ID	7/7	Must use
	Description: Longitude should be always 7 characters/numbers in length. Value should be between -180 to 180.				
MS105	Latitude Code	X	ID	7/7	Must use
	Description: Latitude should be always 7 characters/numbers in length.should be in between -90 to 90.				

Example:

MS1****-93.122*37.1189*W*N

When you are sending Long/Lat i.e., MS104, MS105 please don't send MS101,102,103
e.g., MS1****-84.287*33.6131

If you cannot send Long/Lat then you can send City/State. Please see below:
AT7*X6****20220318*140629*CS
MS1*RENTON*WA*US
Note: we need to map X6 to Enroute instead of Update Current position for this scenario

MS2 Equipment or Container Owner and Type — Optional — Max: 1

User Option (Usage): Used

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

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
MS201	Standard Carrier Alpha Code	X	ID	2/4	Not Used
	Description: Standard Carrier Alpha Code				
MS202	Equipment Number	X	AN	1/10	Used
	Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) Equipment Number (Trailer or Rail Car Number				

Example:

MS2*CARA*T41327

L11 Business Instructions and Reference Number — Optional — Max: 10

User Option (Usage): Must use

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

Note: The L11 segment is required for every delivery on the Shipment. Only one L11 should be sent per LX loop. If multiple deliveries exist for one shipment, warehouse should send one LX loop with corresponding AT7 loop for each delivery.

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
L1101	Reference Identification	X	AN	1/50	Must use
	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	Used
	Description: Code qualifying the Reference Identification Code List Summary				

Code	Name
CN	Carrier Pro Number
WY	House Waybill Number
MB	Master Bill of Lading
AF	Airlines Flight Identification Number
AAO	Carrier Assigned Code
EQ	Equipment Number
SN	Seal Number
BR	Broker Reference Number
6B	U.S Customs Entry Number
BN	Booking Number
BM	Bill Of Lading Number

Example:

L11*654321*BN

K1	Remarks	Optional	Max: 1

User Option (Usage): Used
Purpose: To send remarks

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
K101	Free-form information	M	AN	1/30	Must use
	Any messages related to Event				

Example:

K1*eventMessage

AT8 Shipment Weight, Packaging and Quantity Data — Optional — Max: 10

User Option (Usage): Used

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

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
AT802	Weight Unit Code	X	ID	1/1	Used
	Description: Code specifying the weight unit All valid standard codes are used				
AT803	Weight	X	R	1/10	Used
	Description: Numeric value of weight				
AT804	Lading Quantity	O	N0	1/7	Used
	Description: Number of units (pieces) of the lading commodity				
AT805	Lading Quantity	O	N0	1/7	Used
	Description: Number of units (pieces) of the lading commodity				

Example:

AT8*L*L*021801*000058

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*9*0001

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*71413

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*000071412

Sample EDI 214:

ISA*00* *00* *02*CARA *ZZ*ONENETWORK *180525*0659*U*00401*000071412*0*T*>

GS*QM*CARA*ONENETWORK*20180525*065913*71413*X*004010

ST*214*0001

B10* CUSTA*MPHSM1M2BDO120180524*CARA

L11*2861745*CN

MAN*ZZ*33*C*ZZ*Zone1

LX*1

AT7*X6*NS***20180525*0652*CS

MS1****-93.122*37.1189*W*N

MS2*CARA*T41327

AT8*L*L*021801*000058

SE*10*0001

GE*1*71413

IEA*1*000071412