



EDI 214 ANSI

Transportation Carrier Shipment Status Message

214 Transportation Carrier Shipment Status Message

Functional Group=QM

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.

Segments:

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

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	M	1			Used
100	G62	Date/Time	M	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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LOOP ID - 0200

9999

130	LX	Assigned Number	M	1			Used
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LOOP ID - 0205

10

140	AT7	Shipment Status Details	M	1			Used
150	L11	Business Instructions and Reference Number	O	10			Used
160	Q7	Lading Exception code	O	10			Used
200	AT8	Shipment Weight, Packaging and Quantity Data	O	10			Used

LOOP ID - 0210

9999

210	CD3	Carton (Package) Detail	O	1			Used
220	L11	Business Instructions and Reference Number	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
020	SE	Transaction Set Trailer	M	1			Used
	GE	Functional Group Trailer	M	1			Used
	IEA	Interchange Control Trailer	M	1			Used

ISA Interchange Control Header

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 16

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 Description: Code to identify the type of information in the Authorization Information <u>Code</u> <u>Name</u> 00 No Authorization Information Present (No Meaningful Information in I02)	M	ID	2/2	Must use
ISA02	I02	Authorization Information 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)	M	AN	10/10	Must use
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information <u>Code</u> <u>Name</u> 00 No Security Information Present (No Meaningful Information in I04)	M	ID	2/2	Must use
ISA04	I04	Security Information 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)	M	AN	10/10	Must use
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code</u> <u>Name</u> 02 Carrier SCAC (Standard Carrier Alpha Code)	M	ID	2/2	Must use
ISA06	I06	Interchange Sender ID 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 CARRIER SCAC CODE	M	AN	15/15	Must use
ISA07	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code</u> <u>Name</u> 02 Carrier SCAC (Standard Carrier Alpha Code)	M	ID	2/2	Must use
ISA08	I07	Interchange Receiver ID 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	M	AN	15/15	Must use

route data to them
SCAC KLSA

ISA09	I08	Interchange Date	M	DT	6/6	Must
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Transportation Carrier Shipment Status Message

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Date of the interchange				use
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must use
ISA11	I10	Interchange Control Standards Identifier 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.	M	ID	1/1	Must use
ISA12	I11	Interchange Control Version Number Description: This version number covers the interchange control segments <u>Code</u> <u>Name</u> 00401	M	ID	5/5	Must use
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) <u>Code</u> <u>Name</u> 0 NONE	M	ID	1/1	Must use
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information <u>Code</u> <u>Name</u> P Production Data T Test Data	M	ID	1/1	Must use
ISA16	I15	Component Element Separator	M		1/1	Must
		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				use

Use Case:

The Element Separator is an “*” hex code (2A)

The Component/Sub-element separator is an “;” hex code (3A)

The Segment terminator/New Line feed is a “_” hex code (15)

GS

Functional Group Header

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 Description: Code identifying a group of application related transaction sets <u>Code</u> <u>Name</u> QM Transportation Carrier Shipment Status Message (214)	M	ID	2/2	Must use
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners CARRIER SCAC CODE	M	AN	2/15	Must use
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by trading partners RECEIVER SCAC CODE	M	AN	2/15	Must use
GS04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	Time 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)	M	TM	4/8	Must use
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	NO	1/9	Must use
GS07	455	Responsible Agency Code Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard <u>Code</u> <u>Name</u> X Accredited Standards Committee X12	M	ID	1/2	Must use
GS08	480	Version / Release / Industry Identifier Code <u>Code</u> <u>Name</u> 004010	M	AN	1/12	Must use

Semantic Notes:

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.

ST Transaction Set Header

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 Description: Code uniquely identifying a Transaction Set <u>Code</u> <u>Name</u> 214 Transportation Carrier Shipment Status Message	M	ID	3/3	Must use
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Semantic Notes:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 214 selects the Transportation Carrier Shipment Status Message).

B10

Transportation Carrier Shipment Status Message

Pos: 020	Max: 1
Loop: N/A	Elements: 3

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 Description: Carrier's Pro Number	M	AN	1/30	Must use
B1002	145	Shipment Identification Number Description: Shipper's Pro Number	O	AN	1/30	Used
B1003	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code CARRIER SCAC CODE	M	ID	2/4	Used

Semantic Notes:

- 1. B1001 is the carrier assigned reference number.

Use Case:

- 1. B1001 is the carrier's PRO that identifies the shipment.
- 3. B1003 is required when used in Transaction Set 214.

L11

Business Instructions and Reference Number

Pos: 030	Max: 300
Heading - Optional	
Loop: N/A	Elements: 2

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
		This element is used to specify the data needed to uniquely identify the shipment.				
L1102	128	Reference Identification Qualifier	X	ID	2/3	Used
		<u>Code NAME</u>				
		2I Tracking Number				
		CR Customer Reference Number				

Syntax Notes:

- 1. If either L1101 or L1102 is present, then the other is required

N1 Name

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

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 Description: Code identifying an organizational entity, a physical location, property or an individual Code Name OT Origin Terminal DT Destination Terminal TR Terminal N5 Party Who Signed the Delivery Receipt POD EY Employee Name	M	ID	2/3	Must use
N102	93	Name Description: Free-form name	M	AN	1/60	Used

Comment Notes:

When using codes OT/DT/TR supply the standard airport code where the status occurred. One airport terminal is required for each status message. Codes can be modified to fit your need.

G62

Date/Time

Pos: 100	Max: 1
Heading - Optional	
Loop: 0100	Elements: 4

To specify the latest ETA information available. This segment will be sent with all status messages, except A1 – Arrived at Delivery Location and D1-Completed Unloading at Delivery Location.

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>				
G6201	432	Date Qualifier Description: Code specifying type of date <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>17</td><td>Estimated Delivery Date</td></tr></table>	<u>Code</u>	<u>Name</u>	17	Estimated Delivery Date	X	ID	2/2	Used
<u>Code</u>	<u>Name</u>									
17	Estimated Delivery Date									
G6202	373	Date Description: Date expressed as CCYYMMDD	X	DT	8/8	Used				
G6203	176	Time Qualifier Description: Code specifying type of date <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>X</td><td>Scheduled Delivery Time</td></tr></table>	<u>Code</u>	<u>Name</u>	X	Scheduled Delivery Time	X	ID	1/2	Used
<u>Code</u>	<u>Name</u>									
X	Scheduled Delivery Time									
G6204	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, where H = hours (00-23), M = minutes (00-59)	X	TM	4/4	Used				

Syntax Notes:

- 01 R0103 – At least one of G6201 or G6203 is required.
- 01 P0102 – If either G6201 or G6202 is present, then the other is required.
- 03 P0304 – If either G6203 or G6204 is present, then the other is required.

LX

Assigned Number

Pos: 130

Max: 1

Detail - Mandatory

Loop: 0200

Elements: 1

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	Must use
		Description: Number assigned for differentiation within a transaction set				

AT7 Shipment Status Details

Pos: 140	Max: 1
Detail - Mandatory	
Loop: 0205	Elements: 7

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT701	1650	Shipment Status Code Description: Code indicating the status of a shipment <u>Code</u> <u>Name</u> X3 Arrived At Pickup Location AF Carrier Departed Pickup Location with Shipment P1 Departed Terminal Location X4 Arrived at Terminal Location X1 Arrived at Delivery Location D1 Completed Unloading at Delivery Location	M	ID	2/2	Must use
AT702	1651	Shipment Status or Appointment Reason Code Description: Code indicating the reason a shipment status or appointment reason was transmitted <u>Code</u> <u>Name</u> NS Normal Status	X	ID	2/2	Used
AT703	1652	Shipment Appointment Status Code Description: Code indicating the status of an appointment to pick-up or deliver a shipment	X	ID	2/2	Not Used
AT704	1651	Shipment Status or Appointment Reason Code Description: Code indicating the reason a shipment status or appointment reason was transmitted	X	ID	2/2	Not Used
AT705	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Used
AT706	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, where H = hours (00-23), M = minutes (00-59)	M	TM	4/8	Used
AT707	623	Time Code Description: Code identifying the time. <u>Code</u> <u>Name</u> CT Central Time ET Eastern time PT Pacific Time LT Local Time	O/Z	ID	2/2	Used

Syntax Notes:

- 01. E0103 – Only one of AT701 or AT703 may be present.
- 01. P0102 – If either AT701 or AT702 is present, then the other is required.
- 03. P0304 – If either AT703 or AT704 is present, then the other is required.
- 06. C0605 – If AT706 is present, then AT705 is required.
- 07. C0706 – If AT707 is present, then AT706 is required.

L11

Business Instructions and Reference Number

Pos: 150	Max: 10
Detail - Optional	
Loop: 0200	Elements: 2

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
		This element is used to specify the data needed to uniquely identify the shipment.				
L1102	128	Reference Identification Qualifier	X	ID	2/3	Used
		Code NAME				
		MA Ship Notice/Manifest Number				

Syntax Notes:

- 1. If either L1101 or L1102 is present, then the other is required

Q7 Lading Exception Code

Pos: 160	Max: 10
Detail - Optional	
Loop: 0200	Elements: 3

To specify the status of the shipment in terms of lading exception information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
Q701	33	Lading Exception Code Description: Code indicating the condition of the shipment <u>Code NAME</u> P Partial Shipment	M	ID	1/1	Used
Q702	211	Packaging Form Code Description: Code for packaging form of the lading quantity <u>Code NAME</u> PCS Pieces	O	ID	3/3	Used
Q703	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	X	N0	1/7	Used

Syntax Notes:

02 C0203 – If Q702 is present, then Q703 is required.

AT8

Shipment Weight, Packaging and Quantity Data

Pos: 200	Max: 10
Detail - Optional	
Loop: 0200	Elements: 5

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

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>								
AT801	187	Weight Qualifier Description: Code defining the type of weight <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>G</td><td>Gross Weight</td></tr><tr><td>A1</td><td>Dimensional Weight</td></tr><tr><td>A2</td><td>Reweighed by Carrier</td></tr></table>	<u>Code</u>	<u>Name</u>	G	Gross Weight	A1	Dimensional Weight	A2	Reweighed by Carrier	X	ID	1/2	Used
<u>Code</u>	<u>Name</u>													
G	Gross Weight													
A1	Dimensional Weight													
A2	Reweighed by Carrier													
AT802	188	Weight Unit Code Description: Code specifying the weight unit <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>L</td><td>Pounds</td></tr></table>	<u>Code</u>	<u>Name</u>	L	Pounds	X	ID	1/1	Used				
<u>Code</u>	<u>Name</u>													
L	Pounds													
AT803	81	Weight Description: Numeric value of weight	X	R	1/10	Used								
AT804	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	O/Z	N0	1/7	Not Used								
AT805	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	O/Z	N0	1/7	Used								

Syntax Notes:

01 P010203 – If either AT801, AT802 or AT803 are present, then the others are required

Use Note:

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

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 Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Comments:

GE Functional Group Trailer

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

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 Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use

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.

IEA Interchange Control Trailer

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

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 Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use

Example

Version 4010 EDI 214

Following are examples of typical status messages.

GS*QM*SCAC*KLSA*20060301*0028*001*X*004010_

B10*1234567*1234567*SCAC_

(Pickup Made)

ST*214*00123456789*2I_

L11*30011622*CR_

N1*OT*SFO_

N1*EY*JOE MARKS_

G62*17*20060301*X*1700_

N1*N5*JOE MARKS_

LX*1_

AT7*AF*NS***20060301*0800*LT_

AT8*G*L*320*0*1_

AT8*A1*L*237.1*0*1_

SE*13*001 N/L

B10*1234567*1234567*SCAC_

(Completed Unloading at Delivery Location)

ST*214*00123456789*2I_

L11*30011622*CR_

N1*DT*RNO_

N1*EY*B.BOP_

N1*N5*SWEENY_

LX*1_

AT7*D1*NS***20060301*1630*LT_

Q7*P*PCS*1_

AT8*G*L*351*0*1_

SE*12*002_

IEA*1*001_

GE*2*001_