214 Transportation Carrier Shipment Status Message - v4010

X12/V4010/214

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Revision History

Date	Version	Revision	Approved By
April 1, 2008	1.0	Initial Publication	Diane Pizzarelli

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.

Heading:

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
010	ST	Transaction Set Header	M	1			Must use
020	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - 0100			**-**	**-**	**10**	**-**	**-**
050	N1	Name	O	1			Must use
080	N4	Geographic Location	O	1			Must use
LOOP ID - 0200			**-**	**-**	**999999**	**-**	**-**
130	LX	Assigned Number	O	1			Used
LOOP ID - 0205			**-**	**-**	**10**	**-**	**-**
140	AT7	Shipment Status Details	O	1			Must use
146	MS2	Equipment or Container Owner and Type	O	1			Must use
170	K1	Remarks	O	10			Used
200	AT8	Shipment Weight, Packaging and Quantity Data	O	10			Used
LOOP ID - 0230			**-**	**-**	**999999**	**-**	**-**
320	PRF	Purchase Order Reference	O	1			Must use

Summary:

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

ISA **Interchange Control Header**

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

User Option (Usage): Must use

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				

Code **Name**
00 No Authorization Information Present (No Meaningful Information in I02)

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)				
ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Security Information				

Code **Name**
00 No Security Information Present (No Meaningful Information in I04)

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)				
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.				
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				

Code **Name**
01 Duns (Dun & Bradstreet)

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				

<table>
<tr><td colspan="9">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
User Note: *Test: 007914401T*
Production: 007914401</td></tr>
</table>

ISA09	I08	**Interchange Date** **Description:** Date of the interchange	M	DT	6/6	Must 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:** Code specifying the version number of the interchange control segments	M	ID	5/5	Must use

Code   **Name**

00401   Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997

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) **All valid standard codes are used.**	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	M	ID	1/1	Must use

Code   **Name**

P   Production Data

T   Test Data

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

GS   Functional Group Header

<table>
<tr><td>Pos:</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 8</td></tr>
</table>

User Option (Usage): Must use

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:
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.

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	M	ID	2/2	Must use

Code	Name
QM	Transportation Carrier Shipment Status Message (214)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code** **Description:** Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	**Application Receiver's Code** **Description:** Code identifying party receiving transmission; codes agreed to by trading partners **User Note:** *Test: 007914401T* *Production: 007914401*	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	N0	1/9	Must use
GS07	455	**Responsible Agency Code** **Description:** Code identifying the issuer of	M	ID	1/2	Must use

the standard; this code is used in conjunction
with Data Element 480

Code	**Name**
X	Accredited Standards Committee X12

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

ST   Transaction Set Header

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

User Option (Usage): Must use

To indicate the start of a transaction set and to assign a control number

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).

Example:
*ST*214*0001~*

Element Summary:

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

Code	Name
214	Transportation Carrier Shipment Status Message

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

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

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

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.

Example:
*B10*000001234567890**WATK~*
Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B1001	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **User Note:** *Carrier Pro #*	X	AN	1/15	Used
B1002	145	**Shipment Identification Number** **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) **User Note:** *Carrier BOL*	O	AN	1/15	Used

B1003	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use

Description: Standard Carrier Alpha Code

N1   Name

Pos: 050   **Max: 1**
Detail - Optional
Loop: 0100   **Elements: 4**

User Option (Usage): Must use

To identify a party by type of organization, name, and 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. 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.

Example:

N1*CN*CONSIGNEE*92*12345~
N1*SH*SHIPPER*92*6789~

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	M	ID	2/3	Must use

Code	Name
CN	Consignee
SH	Shipper

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name** **Description:** Free-form name	X	AN	1/25	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67)	X	ID	1/2	Used

Code	Name
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/15	Used

N4   Geographic Location

<table>
<tr><td>Pos: 080</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: 0100</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Must use

To specify the geographic place of the named party

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.

Example:

*N4*ORLANDO*FL*32804~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name** **Description:** Free-form text for city name	O	AN	2/30	Used
N402	156	**State or Province Code** **Description:** Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Must use
N403	116	**Postal Code** **Description:** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Must use

LX   Assigned Number

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

User Option (Usage): Used

To reference a line number in a transaction set

Example:

*LX*1~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LX01	554	**Assigned Number** **Description:** Number assigned for differentiation within a transaction set	M	N0	1/6	Must use

AT7   Shipment Status Details

Pos: 140	Max: 1
Detail - Optional	
Loop: 0205	**Elements: 6**

User Option (Usage): Must use

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.

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.

Example:
*AT7*AF*NA***20080215*1430~*

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
AH	Attempted Delivery
AJ	Tendered for Delivery
AM	Loaded on Truck
AV	Available for Delivery
CD	Carrier Departed Delivery Location
CP	Completed Loading at Pick-up Location
D1	Completed Unloading at Delivery Location
L1	Loading
P1	Departed Terminal Location
S1	Trailer Spotted at Consignee's Location
X1	Arrived at Delivery Location
X3	Arrived at Pick-up Location
X4	Arrived at Terminal Location
X6	En Route to Delivery 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				

Code	**Name**
AD	Customer Requested Future Delivery
AI	Mechanical Breakdown
AM	Shipper Related
AO	Weather or Natural Disaster Related
B2	Trap for Customer
BK	Prearranged Appointment
NA	Normal Appointment

AT703	1652	**Shipment Appointment Status Code** **Description:** Code indicating the status of an appointment to pick-up or deliver a shipment **All valid standard codes are used.**	X	ID	2/2	Used
AT704	1651	**Shipment Status or Appointment Reason Code** **Description:** Code indicating the reason a shipment status or appointment reason was transmitted **All valid standard codes are used.**	X	ID	2/2	Used
AT705	373	**Date** **Description:** Date expressed as CCYYMMDD	X	DT	8/8	Used
AT706	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)	X	TM	4/8	Used

MS2 Equipment or Container Owner and Type

Pos: 146	Max: 1
Detail - Optional	
Loop: 0205	**Elements: 3**

User Option (Usage): Must use

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

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. MS203 identifies the type for the equipment specified in MS202.

Example:

MS2*WATK*1234567890*TL~

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS201	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	X	ID	2/4	Must use
MS202	207	**Equipment Number** **Description:** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	X	AN	1/10	Must use
MS203	40	**Equipment Description Code** **Description:** Code identifying type of equipment used for shipment	O	ID	2/2	Must use

Code	Name
TL	Trailer (not otherwise specified)

K1   Remarks

Pos: 170   Max: 10
Detail - Optional
Loop: 0200   Elements: 2

User Option (Usage): Used

To transmit information in a free-form format for comment or special instruction

Example:
K1*COMMENTS*COMMENTS CONTINUED~

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
K101	61	**Free-Form Message** **Description:** Free-form information	M	AN	1/30	Must use
K102	61	**Free-Form Message** **Description:** Free-form information	O	AN	1/30	Used

AT8 Shipment Weight, Packaging and Quantity Data

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

User Option (Usage): Used

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

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.

Example:
*AT8*G*L*1500*200*20~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT801	187	**Weight Qualifier** **Description:** Code defining the type of weight	X	ID	1/2	Used

Code	Name
G	Gross Weight
A3	Shippers Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT802	188	**Weight Unit Code** **Description:** Code specifying the weight unit	X	ID	1/1	Used

Code	Name
L	Pounds

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 **User Note:** *Carton Count*	O	N0	1/7	Used
AT805	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity **User Note:** *Skid Count*	O	N0	1/7	Used

PRF   Purchase Order Reference

Pos: 320	Max: 1
Detail - Optional	
Loop: 0230	**Elements: 1**

User Option (Usage): Must use

To provide reference to a specific purchase order

Semantics:
1. PRF04 is the date assigned by the purchaser to purchase order.

Example:
*PRF*T8188401~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF01	324	**Purchase Order Number** **Description:** Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Must use

SE   Transaction Set Trailer

Pos: 610	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

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

Example:
*SE*24*0001~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

GE   Functional Group Trailer

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

User Option (Usage): Must use

To indicate the end of a functional group and to provide control information

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.

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

IEA   **Interchange Control Trailer**

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

User Option (Usage): Must use

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

Sample 214

```
ISA*00*      *00*      *ZZ*YOURID     *01*007914401    *080115*1430*U*00401*000000001*1*P*>~
GS*QM*YOURID*007914401*20080115*1430*000001*X*004010~
ST*214*0001~
B10*000001234567890**WATK~
N1*CN*CONSIGNEE*92*12345~
N4*ORLANDO*FL*32804~
N1*SH*SHIPPER*92*6789~
N4*ATLANTA*GA*30054~
LX*1~
AT7*AF*NA***20080215*1430~
MS2*WATK*1234567890*TL~
K1*COMMENTS*COMMENTS CONTINUED~
AT8*G*L*1500*200*20~
PRF*T8188401~
SE*13*0001~
GE*1*000001~
IEA*1*000000001~
```