214 Transportation Carrier Shipment Status Message

X12 Version 4010 - 214 INBOUND

Version: 3.0

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Company: MercuryGate

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ICS Interchange Control Structures

Introduction:

The purpose of this standard is to define the control structures for the electronic interchange of one or more encoded business transactions including the EDI (Electronic Data Interchange) encoded transactions of Accredited Standards Committee X12. This standard provides the interchange envelope of a header and trailer for the electronic interchange through a data transmission, and it provides a structure to acknowledge the receipt and processing of this envelope.

Notes:

- This standard specifies the control segments to be utilized when a trading partner sends an 'ISA' header.
- The information in this document was modified specifically for the MercuryGate implementation.
- Mandatory elements are marked with 'M' under the Attributes or Requirement Designator.

Pos. No.	Seg. ID	Name	Req Des	Max Use
010	ISA	Interchange Control Header	M	1
030	GS	Functional Group Header	M	1
040	GE	Functional Group Trailer	M	1
050	IEA	Interchange Control Trailer	M	1

NOTE: Please note that the DATE field on the ISA is a mandatory length of 6, but all other date fields are a mandatory length of 8.

Segment: ISA Interchange Control Header

Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
ISA01	**I01**	**Authorization Information Qualifier** Code to identify the type of information in the Authorization Information. 00 No Authorization Information Present (No Meaningful Information in I02)	**M**	**ID**	**2/2**
ISA02	**I02**	**Authorization Information** 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.	**M**	**AN**	**10/10**
ISA03	**I03**	**Security Information Qualifier** Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)	**M**	**ID**	**2/2**
ISA04	**I04**	**Security Information** 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.	**M**	**AN**	**10/10**
ISA05	**I05**	**Interchange ID Qualifier** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. Codes agreed to by trading partners.	**M**	**ID**	**2/2**
ISA06	**I06**	**Interchange Sender ID** 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. Codes agreed to by trading partners.	**M**	**AN**	**15/15**

ISA07	**I05**	**Interchange ID Qualifier** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. Codes agreed to by trading partners.	**M**	**ID**	**2/2**
ISA08	**I07**	**Interchange Receiver ID** 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. Codes agreed to by trading partners.	**M**	**AN**	**15/15**
ISA09	**I08**	**Interchange Date** Date of the interchange.	**M**	**DT**	**6/6**
ISA10	**I09**	**Interchange Time** Time of the interchange	**M**	**TM**	**4/4**
ISA11	**I10**	**Interchange Control Standards Identifier** Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer U U.S. EDI Community of ASC X12, TDCC, and UCS	**M**	**ID**	**1/1**
ISA12	**I11**	**Interchange Control Version Number** This version number covers the interchange control segments. 00401 ASC X12 Standards version 4010	**M**	**ID**	**5/5**
ISA13	**I12**	**Interchange Control Number** A control number assigned by the interchange sender	**M**	**N0**	**9/9**
ISA14	**I13**	**Acknowledgment Requested** Code sent by the sender to request an interchange acknowledgment (TA1) 0 No Acknowledgement Requested	**M**	**ID**	**1/1**
ISA15	**I14**	**Test Indicator** Code to indicate whether data enclosed by this interchange envelope is test or production. P Production Data T Test Data	**M**	**ID**	**1/1**
ISA16	**I15**	**Component Element Separator** 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 composite data structure; this value must be different than the data element separator and the segment terminator. Colon ":" is the default. Other values are configurable.	**M**		**1/1**

Segment: GS Functional Group Header

Position: 030
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
GS01	**479**	**Functional Identifier Code** Code identifying a group of application related transaction sets: QM Carrier Shipment Status Message (214)	**M**	**ID**	**2/2**
GS02	**142**	**Application Sender's Code** Code identifying party sending transmission. Codes agreed to by trading partners.	**M**	**AN**	**2/15**
GS03	**124**	**Application Receiver's Code** Code identifying party receiving transmission. Codes agreed to by trading partners.	**M**	**AN**	**2/15**
GS04	**373**	**Date** Date expressed as CCYYMMDD	**M**	**DT**	**8/8**
GS05	**337**	**Time** 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**
GS06	**28**	**Group Control Number** Assigned number originated and maintained by the sender	**M**	**N0**	**1/9**
GS07	**455**	**Responsible Agency Code** Code used in conjunction with Data Element 480 to identify the issuer of the standard X - Accredited Standards Committee X12	**M**	**ID**	**1/2**
GS08	**480**	**Version / Release / Industry Identifier Code** Code indicating the version, release, sub-release, and industry identifier of the EDI standard being used 004010 Draft Standards Approved for Publication by ASC X12	**M**	**AN**	**1/12**

Segment: GE Functional Group Trailer

Position: 040
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
GE01	**97**	**Number of Transaction Sets Included** 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**
GE02	**28**	**Group Control Number** Assigned number originated and maintained by the sender.	**M**	**N0**	**1/9**

Segment: IEA Interchange Control Trailer

Position: 050
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
IEA01	**I16**	**Number of Included Functional Groups** A count of the number of functional groups included in an interchange	**M**	**N0**	**1/5**
IEA02	**I12**	**Interchange Control Number** A control number assigned by the interchange sender.	**M**	**N0**	**9/9**

214 Transportation Carrier Shipment Status Message

Functional Group ID=QM

Introduction:

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 to allow shippers or other interested parties to offer (tender) a shipment to a full load (truckload) motor carrier including detailed scheduling, equipment requirements, commodities, and shipping instructions pertinent to a load tender. It is not to be used to provide a motor carrier with data relative to a Less-than-Truckload bill of lading, pick-up notification, or manifest.

MG Usage	Pos. No.	Seg. ID	Name	Req. Des.	Max Use
M	010	ST	Transaction Set Header	M	1
M	020	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1
O	030	L11	Business Instructions and Reference Numbers	O	300
			Loop ID - 0100		**Repeat 10**
O	050	N1	Name	O	1
O	070	N3	Address Information	O	2
O	080	N4	Geographic Location	O	1
			Loop ID - 0200		**Repeat 999999**
O	130	LX	Assigned Number	O	1
			Loop ID - 0205		**Repeat 10**
M	140	AT7	Shipment Status Details	O	1
O	143	MS1	Business Instructions and Reference Numbers	O	1
O	146	MS2	Equipment or Container Owner and Type	O	1
			Loop ID – 0210		**Repeat 999999**
O	240	NM1	Individual or Organizational Name	O	1
			Loop ID – 0250		**Repeat 999999**
O	410	SPO	Shipment Purchase Order Detail	O	1

Segment: **ST** **Transaction Set Header**

Position: **010**
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **01** 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).

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 214 Carrier Shipment Status	**M/Z**	**ID**	**3/3**
M	**ST02**	**329**	**Transaction Set Control Number** 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**

Segment: B10 Beginning Segment for Transportation Carrier Shipment Status Message

Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit basic data relating to shipment status

Semantic Notes:
01 B1001 is the carrier assigned reference number

Comments:
01 B1001 is the carrier's PRO (invoice number that identifies the shipment
02 B1003 is carrier SCAC and is required

MG Usage

Must have either B1001 or B102 in order to match and existing load

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
X	**B1001**	**127**	**Reference Identification** Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN**	**1/30**
X	**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)	**O**	**AN**	**1/30**
M	**B1003**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code	**O/Z**	**ID**	**2/4**

Segment: L11 Business Instructions and Reference Number

Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 300
Purpose: To specify instructions in this business relationship or a reference number

Semantic Notes: **01** L1101 and L1102 are required

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
M	**L1101**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN**	**1/30**
M	**L1102**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification *The M.G. TMS Can be configured to map these codes to create load reference types*	**X**	**ID**	**2/3**

Segment: N1 Name

Position: 050
Loop: 0100
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Semantic Notes:
02 R0203 - At least one of N102 or N103 is required.
03 P0304 - If either N103 or N104 is present, then the other is required.

Comments:
04 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.

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual *Configurable, default values are* BT Bill To CN Consignee OB Bill To SF Shipper SH Shipper SP Bill To ST Consignee *Other Codes are configurable*	**M**	**ID**	**2/3**
M	**N102**	**93**	**Name** Free-form name	**X**	**AN**	**1/60**

Segment: N3 Address Information

Position: 070
Loop: 0100
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To identify the location of the named party

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
M	**N301**	**166**	**Address Information** Address Information	**M**	**AN**	**1/55**
O	**N302**	**166**	**Address Information** Address Information	**O**	**AN**	**1/55**

Segment: N4 Geographic Location

Position: 080
Loop: 0100
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party

Semantic Notes:
01 A combination of N401 through N404 is used to specify a location.
02 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
M	**N401**	**19**	**City Name** Free-form text for city name	**O**	**AN**	**2/30**
M	**N402**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O**	**ID**	**2/2**
M	**N403**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**ID**	**3/15**
O	**N404**	**26**	**Country Code** Code identifying the country	**O**	**ID**	**2/3**

Segment: LX Assigned Number

Position: **130**
Loop: 0200
Level: Header
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
M	**LX01**	**554**	**Assigned Number** Number assigned for differentiation within a transaction set.	**M**	**N0**	**1/6**

Segment: AT7 Shipment Status Details

Position: 140
Loop: 0205
Level: Header
Usage: Mandatory
Max Use: 1
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
Semantic Notes: C0605 - If AT706 is present, then AT705 is required.
C0706 - If AT707 is present, then AT706 is required.
E0103 – Only one of the AT701 or AT703 may be present.
P0102 - If either AT701 or AT702 is present, then the other is required.
P0304 - If either AT703 or AT704 is present, then the other is required.

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
X	**AT701**	**1650**	**Shipment Status Code** Number assigned for differentiation within a transaction set	**X**	**ID**	**2/2**
X	**AT702**	**1651**	**Shipment Status or Appointment Reason Code** Code indicating the reason a shipment status or appointment reason was transmitted	**X**	**ID**	**2/2**
X	**AT703**	**1652**	**Shipment Appointment Status Code** Code indicating the status of an appointment to pick-up or deliver a shipment	**X**	**ID**	**2/2**
X	**AT704**	**1651**	**Shipment Status or Appt Reason Code** Code indicating the reason a shipment status or appointment reason was transmitted	**X**	**ID**	**2/2**
M	**AT705**	**373**	**Status Date** Date expressed as CCYYMMDD	**X**	**DT**	**8/8**
M	**AT706**	**337**	**Status Time** Time expressed as HHMM	**X**	**TM**	**4/8**

Segment: MS1 Equipment, Shipment, or Real Property Location

Position: 143
Loop: 0205
Level: Header
Usage: Optional
Max Use: 1
Purpose: To identify a person or office to whom communications should be directed

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
M	**MS101**	**19**	**City Name** Free-form text for city name Event Location City	**X**	**AN**	**2/30**
M	**MS102**	**156**	**State or Province** Code (Standard State/Province) as defined by appropriate government agency Event Location State	**X**	**ID**	**2/2**
O	**MS103**	**26**	**Country Code** Code identifying the country Event Location Country	**X**	**ID**	**2/3**

Segment: MS2 Equipment Location

Position: 146
Loop: 0205
Level: Header
Usage: Optional
Max Use: 1
Purpose: To specify the owner, the identification number assigned by that owner, and the type of equipment

Semantic Notes: P0102 - If either MS201 or MS202 is present, then the other is required

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
M	**MS201**	**140**	**SCAC** Standard Carrier Alpha Code	**X**	**ID**	**2/4**
M	**MS202**	**207**	**Equipment Number**	**X**	**AN**	**1/10**

Segment: **NM1** **Individual or Organizational Name**

Position: **240**
Loop: 0210
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
M	**NM101**	**98**	**Name Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual *Set Value to* N5 Party Who Signed the Delivery Receipt	**M**	**ID**	**2/3**
M	**NM102**	**1065**	**Entity Type Qualifier** Code qualifying the type of entity *Set Value to* 1 Person	**M/Z**	**ID**	**1/1**
M	**NM103**	**1035**	**Name Last or Organizational Name** Free-form individual last name or organizational name	**O**	**AN**	**1/35**
O	**NM104**	**1036**	**First Name** Individual first name	**O**	**AN**	**1/25**

Segment: SPO Shipment Purchase Order Detail

Position: **410**
Loop: 0250
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the purchase order details for a shipment

MG Usage Create PO Number reference on the load

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
M	**SPO01**	**324**	**Purchase Order Number** Free-form text identifying number for Purchase Order assigned by the orderer/purchaser	**M**	**AN**	**1/22**

Segment: **SE** **Transaction**

Position: **090**
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)

Comments: **00** SE is the last segment of each transaction set

Data Element Summary

MG Usage	Ref. Des.	Data Element	Name	Attributes		
M	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M**	**N0**	**1/10**
M	**SE02**	**329**	**Transaction Set Control Number** 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**

214 Example

ISA*00* *00* *02*JAXL *ZZ*MGCUST
*130604*1646*U*00401*000000340*0*P*:~
GS*QM*JAXL*MGCUST*20141004*164650*330*X*004010~
ST*214*003300001~
B10*5556*MBL100*JAXL~
LX*1~
AT7*D1*NS***20141004*1500~
MS1*Tallahassee*FL*USA~
SE*6*003300001~
GE*1*330~
IEA*1*000000340~

ISA*00* *00* *02*JAXL *ZZ*MGCUST
*130604*1646*U*00401*000000340*0*P*:~
GS*QM*JAXL*MGCUST*20141004*164650*330*X*004010~
ST*214*003300001~
B10*10202*MQ777*JAXL~
L11*TN5000*2I~
N1*CN*Harvard Square~
N3*5 Train Boston Rd*SUITE 48~
N4*Nashville*TN*37201*USA~
LX*1~
AT7***AB*NA*20141004*1500~
MS1*Nashville*TN*USA~
MS2*JAXL*10~
SPO*100920041~
SE*12*003300001~
GE*1*330~
IEA*1*000000340~

ISA*00* *00* *02*JAXL *ZZ*MGCUST
*130604*1646*U*00401*000000340*0*P*:~
GS*QM*JAXL*MGCUST*20141004*164650*330*X*004010~
ST*214*003300001~
B10*10202*MQ777*JAXL~
L11*TN5000*2I~
N1*CN*Harvard Square~
N3*5 Train Boston Rd*SUITE 48~
N4*Nashville*TN*37201*USA~
LX*1~
AT7*D1*NS***20141004*1500~
MS1*Nashville*TN*USA~
MS2*JAXL*10~
NM1*N5*1*All in Home Supplier*John Jackson~
SPO*100920041~
SE*13*003300001~
GE*1*330~
IEA*1*000000340~

ISA*00* *00* *02*JAXL *ZZ*MGCUST
*130604*1646*U*00401*000000340*0*P*:~
GS*QM*JAXL*MGCUST*20141004*164650*330*X*004010~
ST*214*003300001~
B10*10202*MQ777*JAXL~
AT7*D1*NS***20141004*1500~
SE*5*003300001~
GE*1*330~
IEA*1*000000340~

Appendix A: Document Revision Log

Version	Date	Change description
3.0	10/07/14	Revised V3.0 Document