FLEXPORT

214 Transportation Carrier Shipment Status Message

Version: X12 4010

DATA ELEMENT REQUIREMENTS AND USAGE:

The following User Attributes are employed in this document:

M - Mandatory by the X12 standard.
O – Optional by the X12 standard.
X or C – Conditional by the X12 standard.
used – Flexport transmits the element.
R - Recommended

Any element not marked with one of the above indicators indicates that it is an optional segment/element

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 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.

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	005	ISA	Interchange Control Header	M	1		
M	008	GS	Functional Group Header	M	1		
M	010	ST	Transaction Set Header	M	1		
M	020	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1		
	030	L11	Business Instructions and Reference Number	O	300		
			LOOP ID - 0100			10	
	050	N1	Name	O	1		
	070	N3	Address Information	O	2		
	080	N4	Geographic Location	O	1		
	100	G62	Date/Time	O	1		n1
	120	MS3	Interline Information	O	12		
			LOOP ID - 0200			999999	
	130	LX	Assigned Number	O	1		
			LOOP ID - 0205			10	
	140	AT7	Shipment Status Details	O	1		
	143	MS1	Equipment, Shipment, or Real Property Location	O	1		
	170	K1	Remarks	O	10		
	200	AT8	Shipment Weight, Packaging and Quantity Data	O	10		
M	610	SE	Transaction Set Trailer	M	1		
M	794	GE	Functional Group Trailer	M	1		
M	978	ISE	Deferred Delivery Request Segment	M	1		

Transaction Set Notes

1. Status and appointment dates and times shall not be transmitted in the G62 segment.

Segment: **ISA** **Interchange Control Header**
Position: 005
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
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
used	**ISA01**	**I01**	**Authorization Information Qualifier** Code to identify the type of information in the Authorization Information **Information:** *Always '00'* **Code:** 00 — **Name:** No Authorization Information Present (No Meaningful Information in I02)	**M ID 2/2**
used	**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 (I01) **Information:** *Always 10 blank spaces.*	**M AN 10/10**
used	**ISA03**	**I03**	**Security Information Qualifier** Code to identify the type of information in the Security Information **Information:** *Always '00'* **Code:** 00 — **Name:** No Security Information Present (No Meaningful Information in I04)	**M ID 2/2**
used	**ISA04**	**I04**	**Security Information** 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) **Information:** *Always 10 blank spaces.*	**M AN 10/10**
used	**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 **Code:** ZZ — **Name:** Mutually Defined	**M ID 2/2**
used	**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 **Information:** *FLEXPORTEDI*	**M AN 15/15**
used	**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 **Information:** *Vendor Qualifier*	**M ID 2/2**
used	**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 **Information:** *Vendor ID*	**M AN 15/15**

used	**ISA09**	**I08**	**Interchange Date** Date of the interchange **Information:** *This field will be the date the EDI message was created. The format would be* ***CCMMDD***	**M**	**DT 6/6**
used	**ISA10**	**I09**	**Interchange Time** Time of the interchange **Information:** *This field will be the time the EDI message was created. The format would be* ***HHMM***	**M**	**TM 4/4**
used	**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 **Information:** *All valid standards codes are used.*	**M**	**ID 1/1**

Code:	Name:
U	U.S. EDI Community of ASC X12, TDCC, and UCS

used	**ISA12**	**I11**	**Interchange Control Version Number** This version number covers the interchange control segments	**M**	**ID 5/5**

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used	**ISA13**	**I12**	**Interchange Control Number** A control number assigned by the interchange sender	**M**	**N0 9/9**
used	**ISA14**	**I13**	**Acknowledgment Requested** Code sent by the sender to request an interchange acknowledgment (TA1) Refer to 004010 Data Element Dictionary for acceptable code values.	**M**	**ID 1/1**
used	**ISA15**	**I14**	**Usage Indicator** Code to indicate whether data enclosed by this interchange envelope is test, production or information	**M**	**ID 1/1**

Code:	Name:
P	Production Data
T	Test Data

used	**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 a composite data structure; this value must be different than the data element separator and the segment terminator **Information:** *Set to >*	**M**	**AN 1/1**

Example:

ISA*00* *00* *ZZ*FLEXPORT214 *ZZ*CUSTOMER *190401*2233*U*00401*000000022*0*T*>~

Segment: **GS** **Functional Group Header**
Position: 008
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Syntax Notes:
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.
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**GS01**	**479**	**Functional Identifier Code** Code identifying a group of application related transaction sets **Code:** QM — **Name:** Transportation Carrier Shipment Status Message (214)	**M**	**ID 2/2**
used	**GS02**	**142**	**Application Sender's Code** Code identifying party sending transmission; codes agreed to by trading partners **Information:** *FLEXPORTEDI*	**M**	**AN 2/15**
used	**GS03**	**124**	**Application Receiver's Code** Code identifying party receiving transmission; codes agreed to by trading partners **Information:** *Set to appropriate Application Sender's Code*	**M**	**AN 2/15**
used	**GS04**	**373**	**Date** Date expressed as CCYYMMDD	**M**	**DT 8/8**
used	**GS05**	**337**	**Time** Time expressed in the HHMM	**M**	**TM 4/8**
used	**GS06**	**28**	**Group Control Number** Assigned number originated and maintained by the sender	**M**	**N0 1/9**
used	**GS07**	**455**	**Responsible Agency Code** Code used in conjunction with Data Element 480 to identify the issuer of the standard **Code:** X — **Name:** Accredited Standards Committee X12	**M**	**ID 1/2**
used	**GS08**	**480**	**Version / Release / Industry Identifier Code** 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:** 004010 — **Name:** Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	**M**	**AN 1/12**

Example:

GS*QM*FLEXPORTEDI*CUSTOMER*20190308*1409*25*X*004010~

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set Value would be “214”	**M**	**ID 3/3**
used	**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**

Example:

ST*214*0001~

Segment: **B10** **Beginning Segment for Transportation Carrier Shipment Status Message**
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers and other basic data relating to the transaction set
Syntax Notes:
1 At least one of B1001 or B1006 is required.
2 Only one of B1001 or B1005 may be present.
3 If either B1005 or B1006 is present, then the other is required.
Semantic Notes:
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**B1001**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **Information:** *FLEX_ID – This is the shipper's shipment identifier*	**X**	**AN 1/30**
used	**B1002**	**145**	**Shipment Identification Number** 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) **Information:** *Shipper's Shipment Identifying Number*	**O**	**AN 1/30**
used	**B1003**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code **Information:** *Contractual Carrier SCAC Code*	**M**	**ID 2/4**
	B1004	**71**	**Inquiry Request Number**	**O**	**N0 1/3**
	B1005	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
	B1006	**127**	**Reference Identification**	**X**	**AN 1/30**
	B1007	**1073**	**Yes/No Condition or Response Code**	**O**	**ID 1/1**

Example:

B10*FLEX004*FLEX004*FLEX~

Segment: **L11** **Business Instructions and Reference Number**
Position: 030
Loop:
Level:
Usage: Optional
Max Use: 300
Purpose: To specify instructions in this business relationship or a reference number
Syntax Notes: **1** At least one of L1101 or L1103 is required.
2 If either L1101 or L1102 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**L1101**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **Information:** *The requirement for references is dependent upon specific customer needs.*	**X**	**AN 1/30**
used	**L1102**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification **Code:** / **Name:** AF — Airlines Flight Identification Number SCA — Standard Carrier Alpha Code (SCAC) 19 — set to the visibility customer's Division Identifier	**X**	**ID 2/3**
used	**L1103**	**352**	**Description** A free-form description to clarify the related data elements and their content	**X**	**AN 1/80**

Example:

L11*KL0420*AF~

L11*110*19~

Segment: **N1** **Name**
Position: 050
Loop: 0100 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual	**M**	**ID 2/3**
			Code: / **Name:** CN Consignee DT Destination Terminal OT Origin Terminal SH Shipper		
used	**N102**	**93**	**Name** Free-form name	**X**	**AN 1/60**
used	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67)	**X**	**ID 1/2**
			Code: / **Name:** 94 Code assigned by the organization that is the ultimate destination of the transaction set		
used	**N104**	**67**	**Identification Code** Code identifying a party or other coded	**X**	**AN 2/80**
			Information: *CN = ID key recognizable to receiving partner* *DT = port location code* *OT = port location code* *SH = ID key recognizable to receiving partner*		
	N105	**706**	**Entity Relationship Code** Code describing entity relationship	**O**	**ID 2/2**
	N106	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual	**O**	**ID 2/3**

Example:

N1*CN*CUSTOMER BV*94*666666~

N1*DT*AMSTERDAM AIRPORT SCHIPHOL, HAARLEMMERMEER, NETHERLANDS*94*AMS~

N1*OT*SHANGHAI PUDONG INTERNATIONAL AIRPORT*94*PVG~

N1*SH*CUSTOMER CHINA*94*123456~

Segment: **N3** **Address Information**
Position: 070
Loop: 0100 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**N301**	**166**	**Address Information** Address information **Information:** *IF N101='CN' > Consignee Address Line 1* *IF N101='SH' > Shipper Address Line 1*	**M**	**AN 1/55**
used	**N302**	**166**	**Address Information** Address information **Information:** *IF N101='CN' > Consignee Address Line 2* *IF N101='SH' > Shipper Address Line 2*	**O**	**AN 1/55**

Example:

N3*Shanghai Shi, xx Qu*3rd Floor, Shopping Plaza, No.1, Lane 12,~

N3*Wilhelminakade 909~

Segment: **N4** **Geographic Location**
Position: 080
Loop: 0100 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**N401**	**19**	**City Name** Free-form text for city name **Information:** *IF N101='CN' > Consignee City Name* *IF N101='DT' > Port of Discharge City Name* *IF N101='OT' > Port of Loading City Name* *IF N101='SH' > Shipper City Name* *See Note 1 Below*	**O**	**AN 2/30**
used	**N402**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency **Information:** *IF N101='CN' > Consignee State* *IF N101='DT' > Port of Discharge State* *IF N101='OT' > Port of Loading State* *IF N101='SH' > Shipper State* *See Note 1, 2 Below*	**O**	**ID 2/2**
used	**N403**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States) **Information:** *IF N101='CN' > Consignee Zip Code* *IF N101='DT' > not required* *IF N101='OT' > not required* *IF N101='SH' > Shipper Zip Code*	**O**	**ID 3/15**
used	**N404**	**26**	**Country Code** Code identifying the country **Information:** *IF N101='CN' > Consignee Country Code* *IF N101='DT' > Port of Discharge Country Code* *IF N101='OT' > Port of Loading Country Code* *IF N101='SH' > Shipper Country Code*	**O**	**ID 2/3**
used	**N405**	**309**	**Location Qualifier** Code identifying type of location **Code:** / **Name:** IA — International Air Transport Association (IATA) Location UN — United Nations Location Code (UNLOCODE)	**X**	**ID 1/2**
used	**N406**	**310**	**Location Identifier** Code which identifies a specific location **Information:** *IF N101='CN' > Consignee City Identifier* *IF N101='DT' > Port of Discharge City Identifier* *IF N101='OT' > Port of Loading City Identifier* *IF N101='SH' > Shipper City Identifier* *See Note 1 Below*	**O**	**AN 1/30**

Example:

N4*Shanghai*31**CN*UN*CNSHA~
N4*Amsterdam***NL*IA*AMS~
N4*Rotterdam*AP*3072*NL*UN*NLRTM~

Segment: **G62** **Date/Time**
Position: 100
Loop: 0100 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of G6201 or G6203 is required.
2 If either G6201 or G6202 is present, then the other is required.
3 If either G6203 or G6204 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**G6201**	**432**	**Date Qualifier** Code specifying type of date **Code:** **Name:** 17 Estimated Delivery Date 69 Scheduled Pick-Up Date	**X**	**ID 2/2**
used	**G6202**	**373**	**Date** Date expressed as CCYYMMDD **Information:** *IF N101='SH' and G6201='69' set from Scheduled Pickup Date* *IF N101='CN' and G6201='17' set from Estimated Delivery Date*	**X**	**DT 8/8**
	G6203	**176**	**Time Qualifier** Code specifying the reported time	**X**	**ID 1/2**
	G6204	**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)	**X**	**TM 4/8**
Not Used	**G6205**	**623**	**Time Code**	**O**	**ID 2/2**

Example:

G62*69*20180831~

G62*17*20180910~

Segment: **MS3** **Interline Information**
Position: 120
Loop:
Level:
Usage: Optional
Max Use: 12
Purpose: To identify the interline carrier and relevant data
Syntax Notes: **1** If MS305 is present, then MS303 is required.
Semantic Notes: **1** MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.
2 MS303 is the city where the interline was performed.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**MS301**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code **Information:** *Operational Carrier SCAC*	**M**	**ID 2/4**
used	**MS302**	**133**	**Routing Sequence Code** Code describing the relationship of a carrier to a specific shipment movement **Code:** O — **Name:** Origin Carrier (Air, Motor, or Ocean)	**M**	**ID 1/2**
	MS303	**19**	**City Name** Free-form text for city name	**X**	**AN 2/30**
used	**MS304**	**91**	**Transportation Method/Type Code** Code specifying the method or type of transportation for the shipment **Code:** A — **Name:** Air	**O**	**ID 1/2**
	MS305	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O**	**ID 2/2**

Example:

MS3*KL*OA~**

Segment: **LX** **Assigned Number**
Position: 130
Loop: 0200 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
LX01	**554**	**Assigned Number**	**M N0 1/6**
used		Number assigned for differentiation within a transaction set	
		Information:	
		Start with 1 and increment sequentially	

Example:

LX*1~

Segment: **AT7** **Shipment Status Details**
Position: 140
Loop: 0205 Optional
Level:
Usage: Optional
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.
Syntax Notes:
1 Only one of AT701 or AT703 may be present.
2 If either AT701 or AT702 is present, then the other is required.
3 If either AT703 or AT704 is present, then the other is required.
4 If AT706 is present, then AT705 is required.
5 If AT707 is present, then AT706 is required.
Semantic Notes:
1 If AT701 is present, AT705 is the date the status occurred. If AT703 is present, AT705 is a date related to an appointment.
If AT701 is present, AT706 is the time of the status. If AT703 is present, AT706 is the time of the appointment.
2 If AT707 is not present then AT706 represents local time of the status.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**AT701**	**1650**	**Shipment Status Code** Code indicating the status of a shipment	**X**	**ID 2/2**
			Code: / **Name:** B6 Estimated to Arrive at Carrier Terminal D1 Completed Unloading at Delivery Location P1 Departed Terminal Location X2 Estimated Date and/or Time of Arrival at Consignee's Location X4 Arrived at Terminal Location		
used	**AT702**	**1651**	**Shipment Status or Appointment Reason Code** Code indicating the reason a shipment status or appointment reason was transmitted **Information:** *Value would be "NS" for normal status*	**X**	**ID 2/2**
	AT703	**1652**	**Shipment Appointment Status Code** Code indicating the status of an appointment to pick-up or deliver a shipment	**X**	**ID 2/2**
	AT704	**1651**	**Shipment Status or Appointment Reason Code** Code indicating the reason a shipment status or appointment reason was transmitted	**X**	**ID 2/2**
used	**AT705**	**373**	**Date** Date expressed as CCYYMMDD **Information:** *Status Event Date*	**X**	**DT 8/8**
used	**AT706**	**337**	**Time** Time expressed in the format HHMM **Information:** *Status Event Time*	**X**	**TM 4/8**
used	**AT707**	**623**	**Time Code** **Code:** / **Name:** LT Local Time UT Universal Time Coordinate	**O**	**ID 2/2**

Example:

AT7*D1*NS*20180910*0600*LT~**

Segment: **MS1** **Equipment, Shipment, or Real Property Location**
Position: 143
Loop: 0205 Optional
Level:
Usage: Optional
Max Use: 1
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
Syntax Notes:
1 If MS101 is present, then at least one of MS102 or MS103 is required.
2 Only one of MS101 or MS104 may be present.
3 If MS102 is present, then MS101 is required.
4 If MS103 is present, then MS101 is required.
5 If either MS104 or MS105 is present, then the other is required.
6 If MS106 is present, then MS104 is required.
7 If MS107 is present, then MS105 is required.
Semantic Notes:
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'.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**MS101**	**19**	**City Name** **Information** *Flexport is sending IATA codes for AIR legs and city name for inland ports.*	**X**	**AN 2/30**
used	**MS102**	**156**	**State or Province Code** **Information** *When using IATA, set to '0I'* *When using city name or code, set to 'ZZ'* **Code:** **Name:** 0I IATA code ZZ Mutually defined, city name or code	**X**	**ID 2/2**
used	**MS103**	**26**	**Country Code** Code identifying the country **Information:** *2-digit ISO Code to identify Country*	**X**	**ID 2/3**
	MS104	**1654**	**Longitude Code**	**X**	**ID 7/7**
	MS105	**1655**	**Latitude Code**	**X**	**ID 7/7**
	MS106	**1280**	**Direction Identifier Code**	**O**	**ID 1/1**
	MS107	**1280**	**Direction Identifier Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**

Example:

MS1*AMS*0I*NL~

Segment: **K1** **Remarks**
Position: 170
Loop: 0200 Optional
Level:
Usage: Optional
Max Use: 10
Purpose: To transmit information in a free-form format for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**K101**	**61**	**Free-Form Message** Free-form information	**M**	**AN 1/30**
	K102	**61**	**Free-Form Message** Free-form information	**O**	**AN 1/30**

Example:

K1*comments~

Segment: **AT8** **Shipment Weight, Packaging and Quantity Data**
Position: 200
Loop: 0200 Optional
Level:
Usage: Optional
Max Use: 10
Purpose: To specify shipment details in terms of weight, and quantity of handling units
Syntax Notes:
1 If any of AT801 AT802 or AT803 is present, then all are required.
2 If either AT806 or AT807 is present, then the other is required.
Semantic Notes:
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.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**AT801**	**187**	**Weight Qualifier** Code defining the type of weight	**X**	**ID 1/2**
			Code: / **Name:** G / Gross Weight		
used	**AT802**	**188**	**Weight Unit Code** Code specifying the weight unit	**X**	**ID 1/1**
			Code: / **Name:** K / Kilograms L / Pounds		
used	**AT803**	**81**	**Weight** Numeric value of weight	**X**	**R 1/10**
used	**AT804**	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity	**O**	**N0 1/7**
	AT805	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity	**O**	**N0 1/7**
	AT806	**184**	**Volume Unit Qualifier** Code identifying the volume unit	**X**	**ID 1/1**
			Code: / **Name:** X / Cubic Meters E / Cubic Feet		
	AT807	**183**	**Volume** Value of volumetric measure	**X**	**R 1/8**

Example:

AT8*G*K*1000*15X*30~**

Segment: **SE** **Transaction Set Trailer**
Position: 610
Loop:
Level:
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)
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M**	**N0 1/10**
used	**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**

Example:

SE*23*0001~

Segment: **GE** **Functional Group Trailer**
Position: 794
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information
Syntax Notes:
Semantic Notes: **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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**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**
used	**GE02**	**28**	**Group Control Number** Assigned number originated and maintained by the sender	**M**	**N0 1/9**

Example:

GE*1*1746~

Segment: **IEA** **Interchange Control Trailer**
Position: **110**
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.
Syntax Notes:
Semantic Notes:
Comments: .

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
used	**IEA01**	**I16**	**Number of Functional Groups Included**	**M**	**N0 1/5**
used	**IEA02**	**I12**	**Interchange Control Number**	**M**	**N0 9/9**

Remark:

Example:

IEA*1*000000025

DATA FILE EXAMPLES:

ST*214*0001~
B10*FLEX004*FLEX004*FLEX~
L11*KL0420*AF~
L11*Unidentified Airlines*SCA~
N1*SH*CUSTOMER CHINA*94*123456~
N3*Shanghai Shi, Minhang Qu*3rd Floor, Shopping Plaza, No.1, Lane 12,~
N4*Shanghai*31**CN*UN*CNSHA~
G62*69*20180831~
N1*OT*SHANGHAI PUDONG INTERNATIONAL AIRPORT*94*PVG~
N4*Shanghai***CN*IA*PVG~
N1*DT*AMSTERDAM AIRPORT SCHIPHOL, HAARLEMMERMEER, NETHERLANDS*94*AMS~
N4*Amsterdam***NL*IA*AMS~
N1*CN*CUSTOMER BV*94*666666~
N3*Wilhelminakade 909~
N4*Rotterdam*AP*3072*NL*UN*NLRTM~
G62*17*20180910~
MS3*KL*O**A~
LX*1~
AT7*D1*NS***20180910*0600*LT~
MS1*AMS*0I*NL~
K1*comments~
AT8*G*K*1000*15**X*30~
SE*23*0001~

ST*214*0001~
B10*FLEX004*FLEX004*FLEX~
L11*KL0420*AF~
L11*Unidentified Airlines*SCA~
N1*SH*CUSTOMER CHINA*94*123456~
N3*Shanghai Shi, Minhang Qu*3rd Floor, Shopping Plaza, No.1, Lane 13,~
N4*Shanghai*31**CN*UN*CNSHA~
G62*69*20180831~
N1*OT*SHANGHAI PUDONG INTERNATIONAL AIRPORT*94*PVG~
N4*Shanghai***CN*IA*PVG~
N1*DT*AMSTERDAM AIRPORT SCHIPHOL, HAARLEMMERMEER, NETHERLANDS*94*AMS~
N4*Amsterdam***NL*IA*AMS~
N1*CN*CUSTOMER BV*94*666666~
N3*Wilhelminakade 909~
N4*Rotterdam*AP*3072*NL*UN*NLRTM~
G62*17*20180910~
MS3*KL*O**A~
LX*1~
AT7*B6*NS***20180906*0600*LT~
MS1*AMS*0I*NL~
K1*comments~
AT8*G*K*1000*15**X*30~
SE*23*0001~