



**214 -Transportation Carrier Shipment
Status Message**
X12/V4010

Author:	Family Dollar Stores EC Dept.
Publication:	Version 1.4 (09/10/2007)
Trading Partner:	LTL and TL Carriers
Notes:	Carriers must implement the 204 transaction before implementing the 214 transaction.

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.

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
050	N1	Name	O	1			Used
060	N2	Additional Name Information	O	1			Used
070	N3	Address Information	O	2			Used
080	N4	Geographic Location	O	1			Used
100	G62	Date/Time	O	1		N1/100	Used
110	L11	Business Instructions and Reference Number	O	10			Used

LOOP ID - 0200

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
130	LX	Assigned Number	O	1			Used

LOOP ID - 0205

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
140	AT7	Shipment Status Details	O	1			Used
143	MS1	Equipment, Shipment, or Real Property Location	O	1			Used
146	MS2	Equipment or Container Owner and Type	O	1			Used
200	AT8	Shipment Weight, Packaging and Quantity Data	O	10			Used

LOOP ID - 0250

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
410	SPO	Shipment Purchase Order Detail	O	1			Used
610	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

1/100 Status and appointment dates and times shall not be transmitted in the G62 segment.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information All valid standard codes are used.	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) FDS Instructions: NOT USED BY FDS	M	AN	10/10	Must use				
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information All valid standard codes are used.	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) FDS Instructions: NOT USED BY FDS	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	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	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 <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	ZZ	Mutually Defined	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>									
ZZ	Mutually Defined									
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 route data to them FDS Instructions: FDS EDI ID'S: <i>TEST: FAMILYDOLLART</i> <i>PROD: FAMILYDOLLAR</i> <i>VAN: STERLING COMMERCE</i> <i>EDIINT: AS2/ STERLING GIS</i>	M	AN	15/15	Must use				

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 Code Name 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	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) Code Name 0 No Acknowledgment Requested	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 Code Name P Production Data T Test Data	M	ID	1/1	Must use
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**

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

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

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>
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)				
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 FDS Instructions: FDS EDI GS ID'S	M	AN	2/15	Must use
		TEST: FAMILYDOLLART PROD: FAMILYDOLLAR				
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 the standard; this code is used in conjunction with Data Element 480	M	ID	1/2	Must use
		Code Name				
		X Accredited Standards Committee X12				
GS08	480	Version / Release / Industry Identifier Code Description: Code indicating the version, release, sub release, and industry identifier of the EDI standard being used, including the GS and GE segments	M	AN	1/12	Must use
		Code Name				
		004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				

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.

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

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>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set All valid standard codes are used.	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

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).

B10 Beginning Segment for Transportation Carrier Shipment Status Message

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

To transmit identifying numbers and other basic data relating to the 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>
B1001	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier FDS Instructions: B1002 is the Bill of Lading Number	O	AN	1/30	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) FDS Instructions: B1001 is the SHIPMENT REFERENCE NUMBER provided on the EDI-204's	M	N	1/30	Used
B1003	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code FDS Instructions: Standard Carrier Alpha Code	M	ID	2/4	Must use
B1004	71	Inquiry Request Number Description: Identifying number assigned by inquirer FDS Instructions: B1007 indicates if the reference numbers included in this transmission were transmitted to the Carrier. A "Y" indicates the Carrier <u>utilized</u> the electronic shipper supplied reference information to create this document. An "N" indicates the Carrier <u>key entered</u> the data from a shipper supplied document.	O	N0	1/3	Used

Syntax:

1. R0106 - At least one of B1001,B1006 is required
2. E0105 - Only one of B1001,B1005 may be presented
3. P0506 - If either B1005,B1006 is present, then all are 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 FDS SHIPMENT REFERENCE NUMBER AS PROVIDED ON THE EDI-204'S.

2. 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: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

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>										
L1101	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	Used										
L1102	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BM</td> <td>Bill of Lading Number</td> </tr> <tr> <td>CN</td> <td>Carrier's Reference Number (PRO/Invoice)</td> </tr> <tr> <td>SI</td> <td>Shipper's Identifying Number for Shipment (SID)</td> </tr> <tr> <td>SO</td> <td>Shipper's Order (Invoice Number)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BM	Bill of Lading Number	CN	Carrier's Reference Number (PRO/Invoice)	SI	Shipper's Identifying Number for Shipment (SID)	SO	Shipper's Order (Invoice Number)	X	ID	2/3	Used
<u>Code</u>	<u>Name</u>															
BM	Bill of Lading Number															
CN	Carrier's Reference Number (PRO/Invoice)															
SI	Shipper's Identifying Number for Shipment (SID)															
SO	Shipper's Order (Invoice Number)															
L1103	352	Description Description: A free-form description to clarify the related data elements and their content	X	AN	1/80	Used										

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

Loop 0100

Pos: 050	Repeat: 10
Optional	
Loop: 0100	Elements: N/A

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	N1	Name	O	1		Used
060	N2	Additional Name Information	O	1		Used
070	N3	Address Information	O	2		Used
080	N4	Geographic Location	O	1		Used
100	G62	Date/Time	O	1		Used
110	L11	Business Instructions and Reference Number	O	10		Used

N1**Name**

Pos: 050	Max: 1
Heading - Optional	
Loop: 0100	Elements: 6

User Option (Usage): Optional

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

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>
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				
		CS Consolidator				
		SH Shipper				
		ST Ship To – Final Destination				
N102	93	Name Description: Free-form name	X	AN	1/60	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				
		7 Loading Dock				
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix				
		12 Telephone Number (Phone)				
		25 Carrier's Customer Code				
		91 Assigned by Seller or Seller's Agent				
		92 Assigned by Buyer or Buyer's Agent				
		94 Code assigned by the organization that is the ultimate destination of the transaction set				
N104	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
N105	706	Entity Relationship Code Description: Code describing entity relationship All valid standard codes are used.	O	ID	2/2	Used
N106	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.	O	ID	2/3	Used

Syntax:

1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are 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.

N2**Additional Name Information**

Pos: 060	Max: 1
Heading - Optional	
Loop: 0100	Elements: 1

User Option (Usage): Used

To specify additional names or those longer than 35 characters in length

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>
N201	93	Name Description: Free-form name	M	AN	1/60	Must use

N3**Address Information**

Pos: 070	Max: 2
Heading - Optional	
Loop: 0100	Elements: 1

User Option (Usage): Used

To specify the location of the named party

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>
N301	166	Address Information Description: Address information	M	AN	1/55	Must use

N4 Geographic Location

Pos: 080	Max: 1
Heading - Optional	
Loop: 0100	Elements: 3

User Option (Usage): Used

To specify the geographic place of the named party

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>
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	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used

Syntax:

1. C0605 - If N406 is present, then all of N405 are 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.

G62**Date/Time**

Pos: 100	Max: 1
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Optional

To specify pertinent dates and times

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	X	ID	2/2	Used
		Code Name				
		17 Estimated Delivery Date				
		86 Actual Pickup Date				
G6202	373	Date Description: Date expressed as CCYYMMDD	X	DT	8/8	Used

Syntax:

1. R0103 - At least one of G6201,G6203 is required
2. P0102 - If either G6201,G6202 is present, then all are required
3. P0304 - If either G6203,G6204 is present, then all are required

L11 Business Instructions and Reference Number

Pos: 110	Max: 10
Heading - Optional	
Loop: 0100	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

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>
L1101	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	Used
L1102	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification	X	ID	2/3	Used
		Code Name BM Bill of Lading Number				
L1103	352	Description Description: A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

Loop 0200

Pos: 130	Repeat: 1
Mandatory	
Loop: 0200	Elements: N/A

To reference a line number in a transaction set

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
130	LX	Assigned Number	O	1		Used
140		Loop 0205	O		10	Used
200	AT8	Shipment Weight, Packaging and Quantity Data	O	10		Used
410		Loop 0250	O		999999	Used

FDS Instructions: Family Dollar Store, Inc. TMS package can only handle one Status Message per ST/SE. A New ST/SE should be created for each AT7 Segment

LX**Assigned Number**

Pos: 130	Max: 1
Heading - Optional	
Loop: 0200	Elements: 1

User Option (Usage): Used

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 Description: Number assigned for differentiation within a transaction set	M	N0	1/6	Must use

Loop 0205

Pos: 140	Repeat: 1
Optional	
Loop: 0205	Elements: N/A

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.

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
140	AT7	Shipment Status Details	O	1		Used
143	MS1	Equipment, Shipment, or Real Property Location	O	1		Used
146	MS2	Equipment or Container Owner and Type	O	1		Used

FDS Instructions: Family Dollar Store, Inc. TMS package can only handle one Status Message per ST/SE. A New ST/SE should be created for each AT7 Segment

AT7 Shipment Status Details

Pos: 140	Max: 1
Heading - Optional	
Loop: 0205	Elements: 5

User Option (Usage): Family Dollar Stores requires the AT7 segment on all 214's.

To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT701	1650	Shipment Status Code Description: Code indicating the status of a shipment	M	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		AF Carrier Departed Pick-up Location with Shipment				
		AP Delivery Not Completed				
		AR Rail Arrival at Destination Intermodal Ramp				
		RL Rail Departure from Origin Intermodal Ramp				
		S1 Trailer Spotted at Consignee's Location				
		X1 Arrived at Delivery Location				
		X6 En Route to Delivery Location				
		SD Shipment Delayed				
AT702	1651	Shipment Status or Appointment Reason Code Description: Code indicating the reason a shipment status or appointment reason was transmitted	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	Used
		<u>Code</u> <u>Name</u>				
		AA Pick-up Appointment Date and/or Time				
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
AT707	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O	ID	2/2	Used

<u>Code</u>	<u>Name</u>
CT	Central Time
ET	Eastern Time
MT	Mountain Time

Syntax:

1. E0103 - Only one of AT701,AT703 may be presented
2. P0102 - If either AT701,AT702 is present, then all are required
3. P0304 - If either AT703,AT704 is present, then all are required
4. C0605 - If AT706 is present, then all of AT705 are required
5. C0706 - If AT707 is present, then all of AT706 are 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.

MS1 Equipment, Shipment, or Real Property Location

Pos: 143	Max: 1
Heading - Optional	
Loop: 0205	Elements: 2

User Option (Usage): Optional

To specify the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude

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>
MS101	19	City Name Description: Free-form text for city name	X	AN	2/30	Used
MS102	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	X	ID	2/2	Used

Syntax:

1. L010203 - If MS101 is present, then at least one of MS102,MS103 is required
2. E0104 - Only one of MS101,MS104 may be presented
3. C0201 - If MS102 is present, then all of MS101 are required
4. C0301 - If MS103 is present, then all of MS101 are required
5. P0405 - If either MS104,MS105 is present, then all are required
6. C0604 - If MS106 is present, then all of MS104 are required
7. C0705 - If MS107 is present, then all of MS105 are required

Semantics:

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'.

MS2 Equipment or Container Owner and Type

Pos: 146	Max: 1
Heading - Optional	
Loop: 0205	Elements: 3

User Option (Usage): Optional

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

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>
MS201	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	X	ID	2/4	Used
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	Used
MS203	40	Equipment Description Code Description: Code identifying type of equipment used for shipment All valid standard codes are used.	O	ID	2/2	Used

Syntax:

1. P0102 - If either MS201,MS202 is present, then all are required
2. C0402 - If MS204 is present, then all of MS202 are required

Comments:

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

AT8 Shipment Weight, Packaging and Quantity Data

Pos: 200	Max: 10
Heading - Optional	
Loop: 0200	Elements: 4

User Option (Usage): Optional

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	X	ID	1/2	Used
		Code Name				
		G Gross Weight				
		N Actual Net Weight				
		A3 Shippers Weight				
		PA Pallet Weight				
AT802	188	Weight Unit Code Description: Code specifying the weight unit	X	ID	1/1	Used
		Code Name				
		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	N0	1/7	Used

Syntax:

1. P010203 - If either AT801,AT802,AT803 is present, then all are required
2. P0607 - If either AT806,AT807 is present, then all are 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.

Loop 0250

Pos: 410	Repeat: 999999
Optional	
Loop: 0250	Elements: N/A

To specify the purchase order details for a shipment

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
410	SPO	Shipment Purchase Order Detail	O	1		Used

SPO Shipment Purchase Order Detail

Pos: 410	Max: 1
Heading - Optional	
Loop: 0250	Elements: 4

User Option (Usage): Optional

To specify the purchase order details for a shipment

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>
SPO01	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Must use
SPO02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used
SPO03	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	ID	2/2	Used
		Code Name				
		CA Case				
		EA Each				
SPO04	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used

Syntax:

1. P0304 - If either SPO03,SPO04 is present, then all are required
2. P0506 - If either SPO05,SPO06 is present, then all are required

Semantics:

1. SPO02 is the department number.
2. SPO04 is the total quantity for the purchase order.
3. SPO06 is the total weight for the purchase order.
4. SPO07 indicates the data error condition relative to the shipment management information.
5. SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).

SE Transaction Set Trailer

Pos: 610	Max: 1
Heading - 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)

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:

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

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

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>
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.

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.

IEA**Interchange Control Trailer**

Pos:	Max: 1
Not Defined - 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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