

PEG_XM214_2_322

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
	005	ISA	Interchange Control Header	O	1	
	008	GS	Functional Group Header	O	1	
M	010	ST	Transaction Set Header	M	1	
M	016	Q5	Status Details	M	1	
LOOP ID - N7						1000
M	020	N7	Equipment Details	M	1	
	040	DTM	Date/Time Reference	O	2	
	050	M7	Seal Numbers	O	5	
LOOP ID - R4						20
M	120	R4	Port or Terminal	M	1	
LOOP ID - N1						10
	150	N1	Name	O	1	
	153	N3	Address Information	O	2	
	156	N4	Geographic Location	O	1	
	170	N9	Reference Identification	O	10	
LOOP ID - L0						999
	180	L0	Line Item - Quantity and Weight	O	1	
	190	L5	Description, Marks and Numbers	O	1	
LOOP ID - N7						1
	215	N7	Equipment Details	O	1	
	218	R4	Port or Terminal	O	1	
M	220	SE	Transaction Set Trailer	M	1	
	230	GE	Functional Group Trailer	O	1	
	240	IEA	Interchange Control Trailer	O	1	

Segment: **ISA** Interchange Control Header
Position: 005
Loop:
Level:
Usage: Optional
Max Use: 1
Syntax Notes:
Semantic Notes:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ISA01	I01	Authorization Information Qualifier	M ID 2/2
M	ISA02	I02	Authorization Information	M AN 10/10
M	ISA03	I03	Security Information Qualifier	M ID 2/2
M	ISA04	I04	Security Information	M AN 10/10
M	ISA05	I05	Interchange ID Qualifier	M ID 2/2
M	ISA06	I06	Interchange Sender ID	M AN 15/15
M	ISA07	I05	Interchange ID Qualifier	M ID 2/2
M	ISA08	I07	Interchange Receiver ID	M AN 15/15
M	ISA09	I08	Interchange Date	M DT 6/6
M	ISA10	I09	Interchange Time	M TM 4/4
M	ISA11	I10	Interchange Control Standards Identifier	M ID 1/1
M	ISA12	I11	Interchange Control Version Number	M ID 5/5
M	ISA13	I12	Interchange Control Number	M N0 9/9
M	ISA14	I13	Acknowledgment Requested	M ID 1/1
M	ISA15	I14	Usage Indicator	M ID 1/1
M	ISA16	I15	Component Element Separator	M AN 1/1

Segment: **GS** Functional Group Header
Position: 008
Loop:
Level:
Usage: Optional
Max Use: 1
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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	GS01	479	Functional Identifier Code	M ID 2/2
M	GS02	142	Application Sender's Code	M AN 2/15
M	GS03	124	Application Receiver's Code	M AN 2/15
M	GS04	373	Date	M DT 8/8
M	GS05	337	Time	M TM 4/8
M	GS06	28	Group Control Number	M N0 1/9
M	GS07	455	Responsible Agency Code	M ID 1/2
M	GS08	480	Version / Release / Industry Identifier Code	M AN 1/12

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
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).

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
M	ST02	329	Transaction Set Control Number	M AN 4/9

Segment: **Q5 Status Details**

Position: 016

Loop:

Level:

Usage: Mandatory

Max Use: 1

- Syntax Notes:**
- 1 If either Q503 or Q504 is present, then the other is required.
 - 2 If Q507 is present, then Q506 is required.
 - 3 If either Q511 or Q512 is present, then the other is required.
 - 4 If Q513 is present, then Q512 is required.
 - 5 If either Q514 or Q515 is present, then the other is required.
 - 6 If Q516 is present, then Q515 is required.

- Semantic Notes:**
- 1 Q502 is the date of the status reported in Q501.
 - 2 Q503 is the time of the status reported in Q501.
 - 3 Q513 is the direction (north or south) of the equator for the latitude given in Q512. If Q513 is not used, north is assumed.
 - 4 If Q516 is not used, west is assumed. Q516 is the direction (east or west) of the Greenwich Meridian for the longitude given in Q515.
 - 5 Q517 is the percent of the capacity of the trailer utilized as identified in Q510.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Q501	157	Shipment Status Code	O ID 1/2
Q502	373	Date	O DT 8/8
Q503	337	Time	X TM 4/8
Q504	623	Time Code	X ID 2/2
Q505	641	Status Reason Code	O ID 3/3
Q506	19	City Name	X AN 2/30
Q507	156	State or Province Code	O ID 2/2

Segment: **N7** Equipment Details
Position: 020
Loop: N7 Mandatory
Level:
Usage: Mandatory
Max Use: 1
Syntax Notes: 1 If either N703 or N704 is present, then the other is required.
 2 If either N705 or N716 is present, then the other is required.
 3 If either N708 or N709 is present, then the other is required.
Semantic Notes: 1 N712 is the owner of the equipment.
 2 N723 is the operator or carrier of the rights of the equipment.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
	N701	206	Equipment Initial	O AN 1/4
M	N702	207	Equipment Number	M AN 1/10
	N703	81	Weight	X R 1/10
	N704	187	Weight Qualifier	X ID 1/2
			N Actual Net Weight	
	N712	140	Standard Carrier Alpha Code	O ID 2/4
	N724	301	Car Type Code	O ID 1/4

Segment: **DTM** Date/Time Reference

Position: 040

Loop: N7 Mandatory

Level:

Usage: Optional

Max Use: 2

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	Date/Time Qualifier 097 Transaction Creation	M ID 3/3
	DTM02	373	Date	X DT 8/8
	DTM03	337	Time	X TM 4/8

Segment: **M7** Seal Numbers
Position: 050
Loop: N7 Mandatory
Level:
Usage: Optional
Max Use: 5
Syntax Notes:
Semantic Notes:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	M701	225	Seal Number	M AN 2/15
	M705	98	Entity Identifier Code	O ID 2/3

Segment: **R4** Port or Terminal
Position: 120
Loop: R4 Mandatory
Level:
Usage: Mandatory
Max Use: 1
Syntax Notes: 1 If either R402 or R403 is present, then the other is required.
Semantic Notes:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	R401	115	Port or Terminal Function Code	M ID 1/1
			5 Activity Location (Operational)	
			6 Origin Rail Intermodal Terminal	
			7 Destination Rail Intermodal Terminal	
	R402	309	Location Qualifier	X ID 1/2
			CI City	
			TM Terminal	
	R403	310	Location Identifier	X AN 1/30
	R404	114	Port Name	O AN 2/24
	R408	156	State or Province Code	O ID 2/2

Segment: **N1** Name
Position: 150
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 1
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:

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	N101	98	Entity Identifier Code	M ID 2/3
	N102	93	Name	X AN 1/60
	N103	66	Identification Code Qualifier	X ID 1/2
			ZZ Mutually Defined	
	N104	67	Identification Code	X AN 2/80

Segment: N3 Address Information
Position: 153
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Syntax Notes:
Semantic Notes:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information	M AN 1/55
	N302	166	Address Information	O AN 1/55

Segment: **N4** Geographic Location
Position: 156
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 1
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
N402	156	State or Province Code	O ID 2/2
N403	116	Postal Code	O ID 3/15

Segment: **N9 Reference Identification**
Position: 170
Loop: N7 Mandatory
Level:
Usage: Optional
Max Use: 10
Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	Reference Identification Qualifier	M ID 2/3
	N902	127	Reference Identification	X AN 1/30

Segment: **L0** Line Item - Quantity and Weight
Position: 180
Loop: L0 Optional
Level:
Usage: Optional
Max Use: 1
Syntax Notes:

- 1 If either L002 or L003 is present, then the other is required.
- 2 If either L004 or L005 is present, then the other is required.
- 3 If either L006 or L007 is present, then the other is required.
- 4 If either L008 or L009 is present, then the other is required.
- 5 If L011 is present, then L004 is required.
- 6 If either L013 or L015 is present, then the other is required.

Semantic Notes:

- 1 L008 is the number of handling units of the line item tendered to the carrier.
- 2 L013 can only be used if the code in L009 is PLT, SKD, or SLP.
- 3 L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L001	213	Lading Line Item Number	O N0 1/3
		Hardcode 1	
L008	80	Lading Quantity	X N0 1/7
L009	211	Packaging Form Code	X ID 3/3
		PCS Pieces	

Segment: **L5** Description, Marks and Numbers
Position: 190
Loop: L0 Optional
Level:
Usage: Optional
Max Use: 1
Syntax Notes:

- 1 If either L503 or L504 is present, then the other is required.
- 2 If L507 is present, then L506 is required.
- 3 If either L508 or L509 is present, then the other is required.

Semantic Notes:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
L501	213	Lading Line Item Number	O N0 1/3
		Hardcode 1	
L503	22	Commodity Code	X AN 1/30
L504	23	Commodity Code Qualifier	X ID 1/1
		L Last Contained Contents STCC	
		T Standard Transportation Commodity Code (STCC)	

Segment: **N7** Equipment Details
Position: 215
Loop: N7 Optional
Level:
Usage: Optional
Max Use: 1
Syntax Notes:

- 1 If either N703 or N704 is present, then the other is required.
- 2 If either N705 or N716 is present, then the other is required.
- 3 If either N708 or N709 is present, then the other is required.

Semantic Notes:

- 1 N712 is the owner of the equipment.
- 2 N723 is the operator or carrier of the rights of the equipment.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	N701	206	Equipment Initial	O AN 1/4
M	N702	207	Equipment Number	M AN 1/10
	N722	24	Equipment Type	O ID 4/4

Segment: **R4** Port or Terminal
Position: 218
Loop: N7 Optional
Level:
Usage: Optional
Max Use: 1
Syntax Notes: 1 If either R402 or R403 is present, then the other is required.
Semantic Notes:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	R401	115	Port or Terminal Function Code	M ID 1/1
			5 Activity Location (Operational)	
			6 Origin Rail Intermodal Terminal	
			7 Destination Rail Intermodal Terminal	
	R402	309	Location Qualifier	X ID 1/2
			CI City	
			TM Terminal	
	R403	310	Location Identifier	X AN 1/30
	R404	114	Port Name	O AN 2/24
	R408	156	State or Province Code	O ID 2/2

Segment: **SE** Transaction Set Trailer
Position: 220
Loop:
Level:
Usage: Mandatory
Max Use: 1
Syntax Notes:
Semantic Notes:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	SE01	96	Number of Included Segments	M N0 1/10
M	SE02	329	Transaction Set Control Number	M AN 4/9

Segment: **GE** Functional Group Trailer
Position: 230
Loop:
Level:
Usage: Optional
Max Use: 1
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.

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	GE01	97	Number of Transaction Sets Included	M N0 1/6
M	GE02	28	Group Control Number	M N0 1/9

Segment: **IEA** Interchange Control Trailer
Position: 240
Loop:
Level:
Usage: Optional
Max Use: 1
Syntax Notes:
Semantic Notes:

Data Element Summary

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