

EDI 214 – Minimum Requirements for Segments and Elements

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
	003	ISA	Interchange Control Header	O	1	
	005	GS	Functional Group Header	O	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	
	LOOP ID - 0200					999999
	130	LX	Assigned Number	O	1	
	LOOP ID - 0205					10
	140	AT7	Shipment Status Details	O	1	
	146	MS2	Equipment or Container Owner and Type	O	1	
	200	AT8	Shipment Weight, Packaging and Quantity Data	O	10	
M	610	SE	Transaction Set Trailer	M	1	
	794	GE	Functional Group Trailer	O	1	
	978	IEA	Interchange Control Trailer	O	1	

Segment: **ISA** Interchange Control Header
Position: 003
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: 005
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: **B10** Beginning Segment for Transportation Carrier Shipment Status Message

Position: 020

Loop:

Level:

Usage: Mandatory

Max Use: 1

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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>	
B1001	127	Reference Identification	X AN 1/30	
B1002	145	Shipment Identification Number	O AN 1/30	
		Notes:		
		This is the manifest key provided on the load tender.		
M	B1003	140	Standard Carrier Alpha Code	M ID 2/4

Segment: **L11** Business Instructions and Reference Number
Position: 030
Loop:
Level:
Usage: Optional
Max Use: 300
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:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
L1101	127	Reference Identification	X AN 1/30
L1102	128	Reference Identification Qualifier	X ID 2/3
		AFI	Streamline Code Not in Original List
		GY	Empty Repositioning Number
		SN	Seal Number

Segment: **N1** Name
Position: 050
Loop: 0100 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	Name	Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N101	98	Entity Identifier Code D1 Driver	M ID 2/3
	N102	93	Name	X AN 1/60
	N103	66	Identification Code Qualifier	X ID 1/2
	N104	67	Identification Code	X AN 2/80

Segment: **LX** Assigned Number
Position: 130
Loop: 0200 Optional
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	LX01	554	Assigned Number	M N0 1/6

Segment: **AT7** Shipment Status Details
Position: 140
Loop: 0205 Optional
Level:
Usage: Optional
Max Use: 1
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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
AT701	1650	Shipment Status Code	X ID 2/2
		AF	Carrier Departed Pick-up Location with Shipment
		CD	Carrier Departed Delivery Location
		CP	Completed Loading at Pick-up Location
		D1	Completed Unloading at Delivery Location
		X1	Arrived at Delivery Location
		X3	Arrived at Pick-up Location
		XA	Load as Booked
AT702	1651	Shipment Status or Appointment Reason Code	X ID 2/2
AT705	373	Date	X DT 8/8
AT706	337	Time	X TM 4/8
AT707	623	Time Code	O ID 2/2
		CD	Central Daylight Time
		CS	Central Standard Time
		ED	Eastern Daylight Time
		ES	Eastern Standard Time
		MD	Mountain Daylight Time
		MS	Mountain Standard Time
		PD	Pacific Daylight Time
		PS	Pacific Standard Time
		UT	Universal Time Coordinate

Segment: **MS2** Equipment or Container Owner and Type
Position: 146
Loop: 0205 Optional
Level:
Usage: Optional
Max Use: 1
Syntax Notes: 1 If either MS201 or MS202 is present, then the other is required.
 2 If MS204 is present, then MS202 is required.
Semantic Notes:

Data Element Summary

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

Segment: **AT8** Shipment Weight, Packaging and Quantity Data

Position: 200

Loop: 0200 Optional

Level:

Usage: Optional

Max Use: 10

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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
AT801	187	Weight Qualifier	X ID 1/2
AT802	188	Weight Unit Code	X ID 1/1
		K Kilograms	
		L Pounds	
AT803	81	Weight	X R 1/10
AT804	80	Lading Quantity	O N0 1/7
AT806	184	Volume Unit Qualifier	X ID 1/1
		B Barge	
		C Cubic Centimeters	
		D Cord	
		E Cubic Feet	
		G Gallons	
		H Hundreds of Measurement Tons	
		L Load	
		M Cubic Decimeters	
		N Cubic Inches	
		R Car	
		S Measurement Ton	
		T Container	
		U Volumetric Unit	
		V Liter	
		X Cubic Meters	
AT807	183	Volume	X R 1/8

Segment: **SE** Transaction Set Trailer
Position: 610
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: 794
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: 978
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