Ryder Transportation EDI

Electronic Data Interchange

EDI 110

Motor Carrier Freight Invoice

Version 004010

Document: Version: 2.0

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110 Air Freight Details and Invoice

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Air Freight Details and Invoice Transaction Set (110) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide a customer with an air invoice for transportation and other charges related to shipments, including Original Invoices, Past Due Billings, Balance Due Bills and Revisions.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	B3	Beginning Segment for Carrier's Invoice	M	1		
M	030	B3A	Invoice Type	M	1		
	045	C2	Bank ID	O	1		
M	050	C3	Currency	M	1		
	065	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
			LOOP ID - N1			3	
M	075	N1	Name	M	1		
	080	N2	Additional Name Information	O	1		
M	090	N3	Address Information	M	2		
M	100	N4	Geographic Location	M	1		
	110	N9	Reference Identification	O	10		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LX			9999	
M	010	LX	Assigned Number	M	1		
			LOOP ID - N1			2	
M	020	N1	Name	M	1		
	030	N2	Additional Name Information	O	1		
M	040	N3	Address Information	M	2		
M	050	N4	Geographic Location	M	1		
	060	N9	Reference Identification	O	10		
M	085	P1	Pick-up	M	1		
M	090	R1	Route Information (Air)	M	1		
	100	POD	Proof of Delivery	O	1		
	110	V9	Event Detail	O	1		
	140	NTE	Note/Special Instruction	O	10		
M	150	L5	Description, Marks and Numbers	M	1		
	160	L0	Line Item - Quantity and Weight	O	1		
	163	L4	Measurement	O	4		
	165	L10	Weight	O	4		
M	167	SL1	Tariff Reference	M	1		

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	175	L1	Rate and Charges	M	1		
	180	C3	Currency	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	015	L3	Total Weight and Charges	M	1		
M	045	SE	Transaction Set Trailer	M	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:	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
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
M	ST02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

	Segment:	**B3** Beginning Segment for Carrier's Invoice

Segment:	**B3** Beginning Segment for Carrier's Invoice
Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To transmit basic data relating to the carrier's invoice
Syntax Notes:	**1** If either B309 or B310 is present, then the other is required.
Semantic Notes:	**1** B306 is the billing date.
	2 On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.
	3 If B314 is used, B304 will indicate the party or parties responsible for payment of the transportation terms identified in B314.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	B302	76	**Invoice Number**	M	AN 1/15
			Identifying number assigned by issuer		
	B303	145	**Shipment Identification Number**	O	AN 1/30
			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)		
M	B304	146	**Shipment Method of Payment**	M	ID 2/2
			Code identifying payment terms for transportation charges		
			CC Collect		
			PP Prepaid (by Seller)		
			TP Third Party Pay		
M	B306	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
M	B307	193	**Net Amount Due**	M	N2 1/12
			Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified		
	B308	202	**Correction Indicator**	O	ID 2/2
			Code used to indicate that the transaction set contains information which corrects previous information		
			BD Balance Due Billing		
	B309	32	**Delivery Date**	X	DT 8/8
			Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD		
	B310	374	**Date/Time Qualifier**	X	ID 3/3
			Code specifying type of date or time, or both date and time		
			035 Delivered		
M	B311	140	**Standard Carrier Alpha Code**	M	ID 2/4
			Standard Carrier Alpha Code		
	B312	373	**Date**	O	DT 8/8
			Date expressed as CCYYMMDD		
	B313	375	**Tariff Service Code**	O	ID 2/2
			Code specifying the types of services for rating purposes		
	B314	335	**Transportation Terms Code**	O	ID 3/3
			Code identifying the trade terms which apply to the shipment transportation responsibility		

Segment: **B3A** Invoice Type
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate type of invoice and number of shipments
Syntax Notes:
Semantic Notes:
Comments: **1** B3A02 is the number of shipments invoiced.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	B3A01	640	**Transaction Type Code**	M	ID 2/2
			Code specifying the type of transaction		
	B3A02	21	**Number of Shipments**	O	N0 1/5
			Total number of shipments on this transaction		

Segment: **C2** Bank ID
Position: 045
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify data required for electronic payment
Syntax Notes:
Semantic Notes:
Comments: 1 C207 is the effective payment date.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	C201	8	**Bank Client Code**	M	**ID 1/1**
			Code identifying payee or payer		
M	C202	66	**Identification Code Qualifier**	M	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
M	C203	67	**Identification Code**	M	**AN 2/80**
			Code identifying a party or other code		

			Segment:	**C3** Currency		

Segment: **C3** Currency
Position: 050
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify the currency being used in the transaction set
Syntax Notes:
Semantic Notes: 1 C301 is the billing currency.
2 C303 is the payment currency.
3 C304 is the rated currency.
Comments: 1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	C301	100	**Currency Code**	**M**	**ID 3/3**
			Code (Standard ISO) for country in whose currency the charges are specified		
	C302	280	**Exchange Rate**	**O**	**R 4/10**
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another		
	C303	100	**Currency Code**	**O**	**ID 3/3**
			Code (Standard ISO) for country in whose currency the charges are specified		

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale
Position:	065
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify terms of sale
Syntax Notes:	1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
ITD01	336	**Terms Type Code**	O	ID 2/2
		Code identifying type of payment terms		
ITD02	333	**Terms Basis Date Code**	O	ID 1/2
		Code identifying the beginning of the terms period		
ITD03	338	**Terms Discount Percent**	O	R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
ITD04	370	**Terms Discount Due Date**	X	DT 8/8
		Date payment is due if discount is to be earned expressed in format CCYYMMDD		
ITD05	351	**Terms Discount Days Due**	X	N0 1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned		
ITD06	446	**Terms Net Due Date**	O	DT 8/8
		Date when total invoice amount becomes due expressed in format CCYYMMDD		
ITD07	386	**Terms Net Days**	O	N0 1/3
		Number of days until total invoice amount is due (discount not applicable)		
ITD08	362	**Terms Discount Amount**	O	N2 1/10
		Total amount of terms discount		
ITD09	388	**Terms Deferred Due Date**	O	DT 8/8
		Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD		
ITD10	389	**Deferred Amount Due**	X	N2 1/10
		Deferred amount due for payment		
ITD11	342	**Percent of Invoice Payable**	X	R 1/5
		Amount of invoice payable expressed in percent		
ITD12	352	**Description**	O	AN 1/80
		A free-form description to clarify the related data elements and their content		
ITD13	765	**Day of Month**	X	N0 1/2
		The numeric value of the day of the month between 1 and the maximum day of the month being referenced		

Segment: # N1 Name

Position:	075
Loop:	N1 Mandatory
Level:	Heading
Usage:	Mandatory
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	
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			BT Bill-to-Party		
			CN Consignee		
			SH Shipper		
M	**N102**	**93**	**Name**	**M**	**AN 1/60**
			Free-form name		
	N103	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
	N104	**67**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		

Segment: **N2** **Additional Name Information**
Position: 080
Loop: N1   Mandatory
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N201	93	**Name**	**M**	**AN 1/60**
			Free-form name		
	N202	93	**Name**	**O**	**AN 1/60**
			Free-form name		

Segment: **N3** Address Information
Position: 090
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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
M	N301	166	**Address Information**	M	**AN 1/55**
			Address information		
	N302	166	**Address Information**	O	**AN 1/55**
			Address information		

Segment: **N4** **Geographic Location**
Position: 100
Loop: N1   Mandatory
Level: Heading
Usage: Mandatory
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	
M	N401	19	**City Name**	**M**	**AN 2/30**
			Free-form text for city name		
M	N402	156	**State or Province Code**	**M**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency		
M	N403	116	**Postal Code**	**M**	**ID 3/15**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
M	N404	26	**Country Code**	**M**	**ID 2/3**
			Code identifying the country		

Segment:	**N9** Reference Identification				

Segment: **N9** Reference Identification
Position: 110
Loop: N1   Mandatory
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
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.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
	N902	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **LX** **Assigned Number**
Position: 010
Loop: LX Mandatory
Level: Detail
Usage: Mandatory
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
M	LX01	554	Assigned Number	M N0 1/6
			Number assigned for differentiation within a transaction set	

			Segment:	**N1** Name

Segment: **N1** Name
Position: 020
Loop: N1   Mandatory
Level: Detail
Usage: Mandatory
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
M	N101	98	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			BT Bill-to-Party		
M	N102	93	**Name**	M	**AN 1/60**
			Free-form name		
	N103	66	**Identification Code Qualifier**	X	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
	N104	67	**Identification Code**	X	**AN 2/80**
			Code identifying a party or other code		

			Segment:	**N2** Additional Name Information

Segment: **N2** **Additional Name Information**
Position: 030
Loop: N1   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N201	93	**Name**	M AN 1/60
			Free-form name	
	N202	93	**Name**	O AN 1/60
			Free-form name	

Segment: **N3** Address Information
Position: 040
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
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	
M	N301	166	**Address Information**	M	AN 1/55
			Address information		
	N302	166	**Address Information**	O	AN 1/55
			Address information		

Segment: **N4** **Geographic Location**
Position: 050
Loop: N1   Mandatory
Level: Detail
Usage: Mandatory
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.

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Data Element Summary

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

			Segment:	**N9** Reference Identification

Segment: **N9** Reference Identification
Position: 060
Loop: N1   Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
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.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
M	N902	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	N903	369	**Free-form Description**	O	AN 1/45
			Free-form descriptive text		

Segment: **P1** Pick-up

Position:	085
Loop:	LX Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify the pick-up details including time, date, and equipment
Syntax Notes:	
Semantic Notes:	**1** P107 is the number of shipments tendered.
Comments:	**1** P103 is the pick-up date qualifier.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	P101	**108**	**Pick-up or Delivery Code**	**O**	**ID 1/2**
			Specifies the location or type of pickup or delivery		
M	**P102**	**109**	**Pick-up Date**	**M**	**DT 8/8**
			Date the carrier picks up the shipment from the shipper or supplier expressed in format CCYYMMDD		
M	**P103**	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**
			Code specifying type of date or time, or both date and time		

       011   Shipped

       035   Delivered

	Segment:	**R1** Route Information (Air)

Segment: **R1** Route Information (Air)
Position: 090
Loop: LX   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify airline and airport routing sequences
Syntax Notes: 1 If either R106 or R107 is present, then the other is required.
2 If either R108 or R109 is present, then the other is required.
3 If either R110 or R111 is present, then the other is required.
4 If either R112 or R113 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	R101	140	**Standard Carrier Alpha Code**	O	ID 2/4
			Standard Carrier Alpha Code		
	R102	140	**Standard Carrier Alpha Code**	O	ID 2/4
			Standard Carrier Alpha Code		
M	R103	5	**Airport Code**	M	ID 3/5
			Code (IATA) for airport		
M	R104	4	**Air Carrier Code**	M	ID 3/3
			Code (IATA) for the air carrier		
M	R105	5	**Airport Code**	M	ID 3/5
			Code (IATA) for airport		

	Segment:	**POD** Proof of Delivery

Segment: **POD** Proof of Delivery
Position: 100
Loop: LX   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide proof of delivery
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	POD01	373	Date	M	DT 8/8
			Date expressed as CCYYMMDD		
	POD02	337	Time	O	TM 4/8
			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	POD03	93	Name	M	AN 1/60
			Free-form name		

Segment:	**V9** Event Detail		
Position:	110		
Loop:	LX	Mandatory	
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify information about a specific event		

Syntax Notes:
1. If either V910 or V911 is present, then the other is required.
2. If V913 is present, then V904 is required.
3. If V915 is present, then V909 is required.

Semantic Notes:
1. V903 is the event date.
2. V904 is the event time.
3. V909 is the Standard Point Location Code (SPLC) of the event shown in the V901.
4. V910 is the length of the time delay expressed in hours.
5. V913 reflects the time zone which the event time reflects.
6. V914 is the quantity of the fuel in gallons.
7. V915 is the Standard Point Location Code (SPLC) of the secondary point of the delay indicated in the V911.
8. V916 is the total number of rail cars associated with the event code in V901.
9. V917 is the total number of loaded cars associated with the event code in V901.
10. V918 is the total number of empty cars associated with the event code in V901.
11. V919 is the total Gross Tons of the cars identified in V916. Includes the gross weight of the loads and the tare weight of the empties.
12. V920 is the total outside foot length of the cars identified in V916, rounded off to the nearest foot.

Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
V901	304	**Event Code**	O	ID 3/3
		Code identifying the event about which a report is made		
V902	106	**Event**	O	AN 1/25
		Free-form description of event		
V903	373	**Date**	O	DT 8/8
		Date expressed as CCYYMMDD		
V905	19	**City Name**	O	AN 2/30
		Free-form text for city name		

Segment:	**NTE** Note/Special Instruction

Position: 140
Loop: LX   Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments: 1   The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

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Data Element Summary

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	Ref. Des.	Data Element	Name	Attributes	
	NTE01	363	Note Reference Code	O	ID 3/3
			Code identifying the functional area or purpose for which the note applies		
M	NTE02	352	Description	M	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment:		**L5** Description, Marks and Numbers		
Position:		150		
Loop:		L5 Mandatory		
Level:		Detail		
Usage:		Mandatory		
Max Use:		1		
Purpose:		To specify the line item in terms of description, quantity, packaging, and marks and numbers		
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:				
Comments:		1 L502 may be used to send quantity information as part of the product description.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	L501	213	**Lading Line Item Number**	M	N0 1/3
			Sequential line number for a lading item		
M	L502	79	**Lading Description**	M	AN 1/50
			Description of an item as required for rating and billing purposes		
	L503	22	**Commodity Code**	X	AN 1/30
			Code describing a commodity or group of commodities		
	L504	23	**Commodity Code Qualifier**	X	ID 1/1
			Code identifying the commodity coding system used for Commodity Code		
	L505	103	**Packaging Code**	O	AN 3/5
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required		

			Segment:	**L0** Line Item - Quantity and Weight

Segment: **L0** Line Item - Quantity and Weight
Position: 160
Loop: L5   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

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.

Comments:
1   L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	L001	213	**Lading Line Item Number**	M	**N0 1/3**
			Sequential line number for a lading item		
	L002	220	**Billed/Rated-as Quantity**	X	**R 1/11**
			Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81		
	L003	221	**Billed/Rated-as Qualifier**	X	**ID 2/2**
			Code identifying the type of quantity or value on which the rate or item pricing is based		
	L004	81	**Weight**	X	**R 1/10**
			Numeric value of weight		
	L005	187	**Weight Qualifier**	X	**ID 1/2**
			Code defining the type of weight		
	L006	183	**Volume**	X	**R 1/8**
			Value of volumetric measure		
	L007	184	**Volume Unit Qualifier**	X	**ID 1/1**
			Code identifying the volume unit		
	L008	80	**Lading Quantity**	X	**N0 1/7**
			Number of units (pieces) of the lading commodity		
	L011	188	**Weight Unit Code**	O	**ID 1/1**
			Code specifying the weight unit		

Segment: **L4** Measurement

Position:	163
Loop:	L5 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	4
Purpose:	To describe physical dimensions and quantities
Syntax Notes:	
Semantic Notes:	1 L406 is the Rounding in Pattern for dimensional shipments.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	L401	82	**Length**	**M**	**R 1/8**
			Largest horizontal dimension of an object measured when the object is in the upright position		
M	L402	189	**Width**	**M**	**R 1/8**
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
M	L403	65	**Height**	**M**	**R 1/8**
			Vertical dimension of an object measured when the object is in the upright position		
M	L404	90	**Measurement Unit Qualifier**	**M**	**ID 1/1**
			Code specifying the linear dimensional unit		

Segment: **L10** **Weight**
Position: 165
Loop: L5   Mandatory
Level: Detail
Usage: Optional
Max Use: 4
Purpose: To transmit weight information
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	L1001	81	**Weight**	M	**R 1/10**
			Numeric value of weight		
M	L1002	187	**Weight Qualifier**	M	**ID 1/2**
			Code defining the type of weight		
M	L1003	188	**Weight Unit Code**	M	**ID 1/1**
			Code specifying the weight unit		

Segment:	**SL1** Tariff Reference		

Segment: **SL1** Tariff Reference
Position: 167
Loop: L5   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To reference details of the tariff used to arrive at applicable rates or charges for customer-requested service
Syntax Notes: 1   At least one of SL103 or SL104 is required.
Semantic Notes: 1   SL101 is the service requested by the customer.
                       2   SL105 is the effective date.
                       3   SL106 is the service provided by the carrier.
Comments: 1   Scale and commodity codes are proprietary codes maintained by the carrier.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	SL101	284	Service Level Code	M	ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier		
	SL102	171	Tariff Number	O	AN 1/7
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)		
	SL103	22	Commodity Code	X	AN 1/30
			Code describing a commodity or group of commodities		
	SL106	284	Service Level Code	O	ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier		

Segment:	**L1** Rate and Charges		
Position:	175		
Loop:	L1 Mandatory		
Level:	Detail		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements		
Syntax Notes:	1 If either L102 or L103 is present, then the other is required.		
	2 At least one of L104 L105 or L106 is required.		
	3 If either L114 or L115 is present, then the other is required.		
	4 If either L117 or L118 is present, then the other is required.		
Semantic Notes:	1 L119 is the percent used to determine the charge in L104.		
	2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.		
	3 L121 is the origin rated as charge amount.		
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	L101	213	**Lading Line Item Number**	M N0 1/3
			Sequential line number for a lading item	
	L102	60	**Freight Rate**	X R 1/9
			Rate that applies to the specific commodity	
	L103	122	**Rate/Value Qualifier**	X ID 2/2
			Code qualifying how to extend charges or interpret value	
M	L104	58	**Charge**	M N2 1/12
			For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	
	L105	191	**Advances**	X N2 1/9
			Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	
	L106	117	**Prepaid Amount**	X N2 1/9
			Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	
	L107	120	**Rate Combination Point Code**	O AN 3/9
			The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges	
M	L108	150	**Special Charge or Allowance Code**	M ID 3/3
			Code identifying type of special charge or allowance	
	L113	257	**Tariff Application Code**	O ID 1/1
			Code indicating to which traffic a tariff applies	
	L114	74	**Declared Value**	X N2 2/12
			Monetary assigned value expressed in the standard monetary denomination for the currency specified	
	L115	122	**Rate/Value Qualifier**	X ID 2/2
			Code qualifying how to extend charges or interpret value	

Segment:	**C3** Currency			
Position:	180			
Loop:	L1	Mandatory		
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:	To specify the currency being used in the transaction set			
Syntax Notes:				
Semantic Notes:	1	C301 is the billing currency.		
	2	C303 is the payment currency.		
	3	C304 is the rated currency.		
Comments:	1	Currency is implied by the code for the country in whose currency the monetary amounts are specified.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	C301	100	**Currency Code**	**M ID 3/3**
			Code (Standard ISO) for country in whose currency the charges are specified	
	C302	280	**Exchange Rate**	**O R 4/10**
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	
	C303	100	**Currency Code**	**O ID 3/3**
			Code (Standard ISO) for country in whose currency the charges are specified	
	C304	100	**Currency Code**	**O ID 3/3**
			Code (Standard ISO) for country in whose currency the charges are specified	

| | | | | Segment: | **L3** Total Weight and Charges |

Segment: **L3** Total Weight and Charges
Position: 015
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items
Syntax Notes:
  1 If either L301 or L302 is present, then the other is required.
  2 If either L303 or L304 is present, then the other is required.
  3 If either L309 or L310 is present, then the other is required.
  4 If L312 is present, then L301 is required.
  5 If either L314 or L315 is present, then the other is required.
Semantic Notes:
  1 L305 is the total charges.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	L301	81	**Weight**	M	R 1/10
			Numeric value of weight		
M	L302	187	**Weight Qualifier**	M	ID 1/2
			Code defining the type of weight		
M	L305	58	**Charge**	M	N2 1/12
			For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified		
	L309	183	**Volume**	X	R 1/8
			Value of volumetric measure		
	L310	184	**Volume Unit Qualifier**	X	ID 1/1
			Code identifying the volume unit		
	L311	80	**Lading Quantity**	O	N0 1/7
			Number of units (pieces) of the lading commodity		
M	L312	188	**Weight Unit Code**	M	ID 1/1
			Code specifying the weight unit		
	L313	171	**Tariff Number**	O	AN 1/7
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)		
	L314	74	**Declared Value**	X	N2 2/12
			Monetary assigned value expressed in the standard monetary denomination for the currency specified		

Segment: SE **Transaction Set Trailer**
Position: 045
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)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
M	SE02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		