

# Ryder Transportation EDI

## Electronic Data Interchange

# EDI 110

## Motor Carrier Freight Invoice

Version 004010

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EDI Services

# 110 Air Freight Details and Invoice

Functional Group ID=**IA**

## 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:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
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:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
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		
LOOP ID - L5						1	
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		

M	175	L1	Rate and Charges	M	1
	180	C3	Currency	O	1

**Summary:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
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**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set	M ID 3/3
M	ST02	329	<b>Transaction Set Control Number</b> 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

**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**

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

**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**

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

**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**

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

**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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
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	



<b>Segment:</b>	<b>ITD</b> Terms of Sale/Deferred Terms of Sale
<b>Position:</b>	065
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify terms of sale
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.</li> <li>2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.</li> <li>3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> </ol>

#### Data Element Summary

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

**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual BT Bill-to-Party CN Consignee SH Shipper	M ID 2/3
M	N102	93	<b>Name</b> Free-form name	M AN 1/60
	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
	N104	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/80

**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**

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

**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**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
M	N301	166	<b>Address Information</b> Address information	M AN 1/55
	N302	166	<b>Address Information</b> Address information	O AN 1/55

**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**

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

**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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
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**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
M	LX01	554	Assigned Number	M N0 1/6
			Number assigned for differentiation within a transaction set	

**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual BT Bill-to-Party	M ID 2/3
M	N102	93	<b>Name</b> Free-form name	M AN 1/60
	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
	N104	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/80



**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**

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

**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**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
M	N301	166	<b>Address Information</b> Address information	M AN 1/55
	N302	166	<b>Address Information</b> Address information	O AN 1/55

**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.

**Data Element Summary**

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

**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**

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

**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**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	<b><u>O</u> <u>ID</u></b>
	<b>P101</b>	<b>108</b> <b>Pick-up or Delivery Code</b> Specifies the location or type of pickup or delivery	<b>O ID 1/2</b>
<b>M</b>	<b>P102</b>	<b>109</b> <b>Pick-up Date</b> Date the carrier picks up the shipment from the shipper or supplier expressed in format CCYYMMDD	<b>M DT 8/8</b>
<b>M</b>	<b>P103</b>	<b>374</b> <b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 011 Shipped 035 Delivered	<b>M ID 3/3</b>

**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**

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

**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**

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

**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**

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



**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.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<b>363</b>	<b>Note Reference Code</b>	<b>O ID 3/3</b>
		Code identifying the functional area or purpose for which the note applies	
<b>M</b>	<b>NTE02</b>	<b>352 Description</b>	<b>M AN 1/80</b>
		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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	L501	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	M N0 1/3
M	L502	79	<b>Lading Description</b> Description of an item as required for rating and billing purposes	M AN 1/50
	L503	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	X AN 1/30
	L504	23	<b>Commodity Code Qualifier</b> Code identifying the commodity coding system used for Commodity Code	X ID 1/1
	L505	103	<b>Packaging Code</b> 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	O AN 3/5

**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.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
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**

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

**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**

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

**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**

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

**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**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	L101	213 <b>Lading Line Item Number</b> Sequential line number for a lading item	M N0 1/3
	L102	60 <b>Freight Rate</b> Rate that applies to the specific commodity	X R 1/9
	L103	122 <b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value	X ID 2/2
M	L104	58 <b>Charge</b> 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	M N2 1/12
	L105	191 <b>Advances</b> 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	X N2 1/9
	L106	117 <b>Prepaid Amount</b> Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	X N2 1/9
	L107	120 <b>Rate Combination Point Code</b> 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	O AN 3/9
M	L108	150 <b>Special Charge or Allowance Code</b> Code identifying type of special charge or allowance	M ID 3/3
	L113	257 <b>Tariff Application Code</b> Code indicating to which traffic a tariff applies	O ID 1/1
	L114	74 <b>Declared Value</b> Monetary assigned value expressed in the standard monetary denomination for the currency specified	X N2 2/12
	L115	122 <b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value	X ID 2/2

**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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
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**

**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

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

**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

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