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110 Air Freight Details and Invoice

Functional Group=IA

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.

Not Defined:

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

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	B3	Beginning Segment for Carrier's Invoice	M	1			Must use
030	B3A	Invoice Type	O	1			Used
045	C2	Bank ID	O	1			Used
050	C3	Currency	O	1			Used
065	ITD	Terms of Sale/Deferred Terms of Sale	O	1			Used
LOOP ID - N1					**3**	**N1/075L**	
075	N1	Name	O	1		N1/075	Used
080	N2	Additional Name Information	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
110	N9	Reference Identification	O	10			Used
120	PER	Administrative Communications Contact	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - LX					**9999**		
010	LX	Assigned Number	M	1			Must use
LOOP ID - N1					**2**	**N2/020L**	
020	N1	Name	O	1		N2/020	Used
030	N2	Additional Name Information	O	1			Used
040	N3	Address Information	O	2			Used
050	N4	Geographic Location	O	1			Used
060	N9	Reference Identification	O	10			Used
070	PER	Administrative Communications Contact	O	1			Used

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
085	P1	Pick-up	O	1			Used
090	R1	Route Information (Air)	O	1			Used
100	POD	Proof of Delivery	O	1			Used
110	V9	Event Detail	O	1			Used
125	RMT	Remittance Advice	O	10			Used
130	G47	Statement Identification	O	1			Used
140	NTE	Note/Special Instruction	O	10			Used
LOOP ID - L5					**4**		
150	L5	Description, Marks and Numbers	M	1			Must use
160	L0	Line Item - Quantity and Weight	O	1			Used
163	L4	Measurement	O	4			Used
165	L10	Weight	O	4			Used
167	SL1	Tariff Reference	O	1			Used
LOOP ID - L1					**30**		
175	L1	Rate and Charges	O	1			Used
180	C3	Currency	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
015	L3	Total Weight and Charges	M	1			Must use
020	ACS	Ancillary Charges	O	1			Used
035	NTE	Note/Special Instruction	O	5			Used
045	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

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

Notes:

1/075L The N1 Loop is used only to convey entity information relevant to the debtor or for a party other than the shipper or consignee.

1/075 The N1 Loop is used only to convey entity information relevant to the debtor or for a party other than the shipper or consignee.

2/020L The N1 loop is used to convey entity information relevent to the shipper and consignee.

2/020 The N1 loop is used to convey entity information relevent to the shipper and consignee.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	**Elements: 16**

User Option (Usage): Must use

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Authorization Information
All valid standard codes are used.

ISA02	I02	**Authorization Information**	M	AN	10/10	Must use

Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)

ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Security Information
All valid standard codes are used.

ISA04	I04	**Security Information**	M	AN	10/10	Must use

Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)

ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified
All valid standard codes are used.

ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use

Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element

ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified
All valid standard codes are used.

ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

Description: Date of the interchange

ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Time of the interchange				
ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use

Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use

Description: Code specifying the version number of the interchange control segments
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Must use

Description: Code sent by the sender to request an interchange acknowledgment (TA1)
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA15	I14	**Usage Indicator**	M	ID	1/1	Must use

Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA16	I15	**Component Element Separator**	M		1/1	Must use

Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

GS   Functional Group Header

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

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

Code	Name
IA	Air Freight Details and Invoice (110, 980)

GS02	142	**Application Sender's Code**	M	AN	2/15	Must use

Description: Code identifying party sending transmission; codes agreed to by trading partners

GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use

Description: Code identifying party receiving transmission; codes agreed to by trading partners

GS04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

GS05	337	**Time**	M	TM	4/8	Must use

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480
All valid standard codes are used.

GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use

Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

Code	Name
004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

    Description: Code uniquely identifying a Transaction Set
    All valid standard codes are used.

| ST02 | 329 | **Transaction Set Control Number** | M | AN | 4/9 | Must use |

    Description: Identifying control number that must be unique within the transaction set
    functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

B3 Beginning Segment for Carrier's Invoice

Pos: 020   **Max: 1**
Heading - Mandatory
Loop: N/A   **Elements: 14**

User Option (Usage): Must use

To transmit basic data relating to the carrier's invoice

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B301	147	**Shipment Qualifier**	O	ID	1/1	Used

Description: Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time
All valid standard codes are used.

B302	76	**Invoice Number**	M	AN	1/22	Must use

Description: Identifying number assigned by issuer

B303	145	**Shipment Identification Number**	O	AN	1/30	Used

Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)

B304	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges
All valid standard codes are used.

B305	188	**Weight Unit Code**	O	ID	1/1	Used

Description: Code specifying the weight unit
All valid standard codes are used.

B306	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

B307	193	**Net Amount Due**	M	N2	1/12	Must use

Description: 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	Used

Description: Code used to indicate that the transaction set contains information which corrects previous information
All valid standard codes are used.

B309	32	**Delivery Date**	X	DT	8/8	Used

Description: 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	Used

Description: Code specifying type of date or time, or both date and time

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		All valid standard codes are used.				
B311	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
B312	373	**Date**	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
B313	375	**Tariff Service Code**	O	ID	2/2	Used
		Description: Code specifying the types of services for rating purposes **All valid standard codes are used.**				
B314	335	**Transportation Terms Code**	O	ID	3/3	Used
		Description: Code identifying the trade terms which apply to the shipment transportation responsibility **All valid standard codes are used.**				

Syntax Rules:

1. P0910 - If either B309 or B310 is present, then the other is required.

Semantics:

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.

B3A Invoice Type

Pos: 030	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To indicate type of invoice and number of shipments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B3A01	640	**Transaction Type Code**	M	ID	2/2	Must use

Description: Code specifying the type of transaction
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B3A02	21	**Number of Shipments**	O	N0	1/5	Used

Description: Total number of shipments on this transaction

Comments:

1. B3A02 is the number of shipments invoiced.

C2   Bank ID

<table>
<tr><td>Pos: 045</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 7</td></tr>
</table>

User Option (Usage): Used

To specify data required for electronic payment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
C201	8	**Bank Client Code**	M	ID	1/1	Must use
		Description: Code identifying payee or payer **All valid standard codes are used.**				
C202	66	**Identification Code Qualifier**	M	ID	1/2	Must use
		Description: Code designating the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**				
C203	67	**Identification Code**	M	AN	2/80	Must use
		Description: Code identifying a party or other code				
C204	20	**Client Bank Number**	O	AN	3/9	Used
		Description: Federal Reserve Routing Code				
C205	7	**Bank Account Number**	O	AN	6/17	Used
		Description: ID number assigned by bank to its client				
C206	107	**Payment Method Code**	O	ID	1/2	Used
		Description: Code identifying type of payment procedures **All valid standard codes are used.**				
C207	373	**Date**	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				

Comments:

1. C207 is the effective payment date.

C3 Currency

<div style="border:1px solid black">

Pos: 050   **Max: 1**

Heading - Optional

Loop: N/A   Elements: 4

</div>

User Option (Usage): Used

To specify the currency being used in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
C301	100	**Currency Code**	M	ID	3/3	Must use

Description: Code (Standard ISO) for country in whose currency the charges are specified

Ref	Id	Element Name	Req	Type	Min/Max	Usage
C302	280	**Exchange Rate**	O	R	4/10	Used

Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another

Ref	Id	Element Name	Req	Type	Min/Max	Usage
C303	100	**Currency Code**	O	ID	3/3	Used

Description: Code (Standard ISO) for country in whose currency the charges are specified

Ref	Id	Element Name	Req	Type	Min/Max	Usage
C304	100	**Currency Code**	O	ID	3/3	Used

Description: Code (Standard ISO) for country in whose currency the charges are specified

Semantics:

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.

ITD Terms of Sale/Deferred Terms of Sale

<table>
<tr><td>Pos: 065</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 15</td></tr>
</table>

User Option (Usage): Used

To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	**Terms Type Code**	O	ID	2/2	Used

Description: Code identifying type of payment terms
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD02	333	**Terms Basis Date Code**	O	ID	1/2	Used

Description: Code identifying the beginning of the terms period
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD03	338	**Terms Discount Percent**	O	R	1/6	Used

Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD04	370	**Terms Discount Due Date**	X	DT	8/8	Used

Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD05	351	**Terms Discount Days Due**	X	N0	1/3	Used

Description: Number of days in the terms discount period by which payment is due if terms discount is earned

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD06	446	**Terms Net Due Date**	O	DT	8/8	Used

Description: Date when total invoice amount becomes due expressed in format CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD07	386	**Terms Net Days**	O	N0	1/3	Used

Description: Number of days until total invoice amount is due (discount not applicable)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD08	362	**Terms Discount Amount**	O	N2	1/10	Used

Description: Total amount of terms discount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD09	388	**Terms Deferred Due Date**	O	DT	8/8	Used

Description: Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD10	389	**Deferred Amount Due**	X	N2	1/10	Used

Description: Deferred amount due for payment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD11	342	**Percent of Invoice Payable**	X	R	1/5	Used

Description: Amount of invoice payable expressed in percent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD12	352	**Description**	O	AN	1/80	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: A free-form description to clarify the related data elements and their content				
ITD13	765	**Day of Month**	X	N0	1/2	Used
		Description: The numeric value of the day of the month between 1 and the maximum day of the month being referenced				
ITD14	107	**Payment Method Code**	O	ID	1/2	Used
		Description: Code identifying type of payment procedures **All valid standard codes are used.**				
ITD15	954	**Percent**	O	R	1/10	Used
		Description: Percentage expressed as a decimal				

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

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.

Loop N1

Pos: 075	**Repeat: 3**
Optional	
Loop: N1	**Elements: N/A**

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
075	N1	Name	O	1		Used
080	N2	Additional Name Information	O	1		Used
090	N3	Address Information	O	2		Used
100	N4	Geographic Location	O	1		Used
110	N9	Reference Identification	O	10		Used
120	PER	Administrative Communications Contact	O	1		Used

N1 Name

Pos: 075		**Max: 1**
	Heading - Optional	
Loop: N1		**Elements: 6**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N105	706	**Entity Relationship Code**	O	ID	2/2	Used

Description: Code describing entity relationship
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N106	98	**Entity Identifier Code**	O	ID	2/3	Used

Description: Code identifying an organizational entity, a physical location, property or an individual
All valid standard codes are used.

Syntax Rules:

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

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N2 Additional Name Information

Pos: 080	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				

N3 Address Information

Pos: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	**State or Province Code**	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	**Postal Code**	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	**Country Code**	O	ID	2/3	Used
		Description: Code identifying the country				
N405	309	**Location Qualifier**	X	ID	1/2	Used
		Description: Code identifying type of location **All valid standard codes are used.**				
N406	310	**Location Identifier**	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N9 Reference Identification

Pos: 110	**Max: 10**
Heading - Optional	
Loop: N1	**Elements: 7**

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification
All valid standard codes are used.

N902	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

N903	369	**Free-form Description**	X	AN	1/45	Used

Description: Free-form descriptive text

N904	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD

N905	337	**Time**	X	TM	4/8	Used

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

N906	623	**Time Code**	O	ID	2/2	Used

Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow
All valid standard codes are used.

N907	C040	**Reference Identifier**	O	Comp		Used

Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification
All valid standard codes are used.

	127	**Reference Identification**	M	AN	1/30	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

	128	**Reference Identification Qualifier**	X	ID	2/3	Used

Description: Code qualifying the Reference Identification

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		All valid standard codes are used.				
	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| | 128 | **Reference Identification Qualifier** | X | ID | 2/3 | Used |

Description: Code qualifying the Reference Identification
All valid standard codes are used.

| | 127 | **Reference Identification** | X | AN | 1/30 | Used |

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

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

PER Administrative Communications Contact

Pos: 120	Max: 1
Heading - Optional	
Loop: N1	Elements: 9

User Option (Usage): Used

To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named
All valid standard codes are used.

PER02	93	**Name**	O	AN	1/60	Used

Description: Free-form name

PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

PER04	364	**Communication Number**	X	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

PER05	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

PER06	364	**Communication Number**	X	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

PER07	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

PER08	364	**Communication Number**	X	AN	1/80	Used

Description: Complete communications number including country or area code when applicable

PER09	443	**Contact Inquiry Reference**	O	AN	1/20	Used

Description: Additional reference number or description to clarify a contact number

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Loop LX

Pos: 010	Repeat: 9999
Mandatory	
Loop: LX	**Elements: N/A**

User Option (Usage): Must use

To reference a line number in a transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	LX	Assigned Number	M	1		Must use
020		Loop N1	O		2	Used
085	P1	Pick-up	O	1		Used
090	R1	Route Information (Air)	O	1		Used
100	POD	Proof of Delivery	O	1		Used
110	V9	Event Detail	O	1		Used
125	RMT	Remittance Advice	O	10		Used
130	G47	Statement Identification	O	1		Used
140	NTE	Note/Special Instruction	O	10		Used
150		Loop L5	M		4	Must use

LX   Assigned Number

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LX	Elements: 1

User Option (Usage): Must use

To reference a line number in a transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LX01	554	**Assigned Number**	M	N0	1/6	Must use

Description: Number assigned for differentiation within a transaction set

Loop N1

<table>
<tr><td>Pos: 020</td><td>Repeat: 2</td></tr>
<tr><td colspan="2" align="center">Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
020	N1	Name	O	1		Used
030	N2	Additional Name Information	O	1		Used
040	N3	Address Information	O	2		Used
050	N4	Geographic Location	O	1		Used
060	N9	Reference Identification	O	10		Used
070	PER	Administrative Communications Contact	O	1		Used

N1 Name

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N105	706	**Entity Relationship Code**	O	ID	2/2	Used

Description: Code describing entity relationship
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N106	98	**Entity Identifier Code**	O	ID	2/3	Used

Description: Code identifying an organizational entity, a physical location, property or an individual
All valid standard codes are used.

Syntax Rules:

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

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N2 Additional Name Information

Pos: 030	Max: 1
Detail - Optional	
Loop: N1	**Elements: 2**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				

N3 Address Information

Pos: 040	**Max: 2**
Detail - Optional	
Loop: N1	**Elements: 2**

User Option (Usage): Used

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

<table>
<tr><td>Pos: 050</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 6</td></tr>
</table>

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used

Description: Free-form text for city name

N402	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

N403	116	**Postal Code**	O	ID	3/15	Used

Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

N404	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country

N405	309	**Location Qualifier**	X	ID	1/2	Used

Description: Code identifying type of location
All valid standard codes are used.

N406	310	**Location Identifier**	O	AN	1/30	Used

Description: Code which identifies a specific location

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N9   Reference Identification

<div style="float:right">

Pos: 060	Max: 10
Detail - Optional	
Loop: N1	**Elements: 7**

</div>

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

    Description: Code qualifying the Reference Identification
    All valid standard codes are used.

N902	127	**Reference Identification**	X	AN	1/30	Used

    Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

N903	369	**Free-form Description**	X	AN	1/45	Used

    Description: Free-form descriptive text

N904	373	**Date**	O	DT	8/8	Used

    Description: Date expressed as CCYYMMDD

N905	337	**Time**	X	TM	4/8	Used

    Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

N906	623	**Time Code**	O	ID	2/2	Used

    Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow
    All valid standard codes are used.

N907	C040	**Reference Identifier**	O	Comp		Used

    Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

    Description: Code qualifying the Reference Identification
    All valid standard codes are used.

	127	**Reference Identification**	M	AN	1/30	Must use

    Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

	128	**Reference Identification Qualifier**	X	ID	2/3	Used

    Description: Code qualifying the Reference Identification

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		All valid standard codes are used.				
	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| | 128 | **Reference Identification Qualifier** | X | ID | 2/3 | Used |

Description: Code qualifying the Reference Identification
All valid standard codes are used.

| | 127 | **Reference Identification** | X | AN | 1/30 | Used |

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

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

PER Administrative Communications Contact

<table>
<tr><td>Pos: 070</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 9</td></tr>
</table>

User Option (Usage): Used

To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named
All valid standard codes are used.

| PER02 | 93 | **Name** | O | AN | 1/60 | Used |

Description: Free-form name

| PER03 | 365 | **Communication Number Qualifier** | X | ID | 2/2 | Used |

Description: Code identifying the type of communication number
All valid standard codes are used.

| PER04 | 364 | **Communication Number** | X | AN | 1/80 | Used |

Description: Complete communications number including country or area code when applicable

| PER05 | 365 | **Communication Number Qualifier** | X | ID | 2/2 | Used |

Description: Code identifying the type of communication number
All valid standard codes are used.

| PER06 | 364 | **Communication Number** | X | AN | 1/80 | Used |

Description: Complete communications number including country or area code when applicable

| PER07 | 365 | **Communication Number Qualifier** | X | ID | 2/2 | Used |

Description: Code identifying the type of communication number
All valid standard codes are used.

| PER08 | 364 | **Communication Number** | X | AN | 1/80 | Used |

Description: Complete communications number including country or area code when applicable

| PER09 | 443 | **Contact Inquiry Reference** | O | AN | 1/20 | Used |

Description: Additional reference number or description to clarify a contact number

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

P1 Pick-up

User Option (Usage): Used

To specify the pick-up details including time, date, and equipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
P101	108	**Pick-up or Delivery Code**	O	ID	1/2	Used

Description: Specifies the location or type of pickup or delivery
All valid standard codes are used.

P102	109	**Pick-up Date**	M	DT	8/8	Must use

Description: Date the carrier picks up the shipment from the shipper or supplier expressed in format CCYYMMDD

P103	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time
All valid standard codes are used.

P104	111	**Pick-up Time**	O	TM	4/4	Used

Description: Time (HHMM) that the carrier is to pick up the shipment

P105	206	**Equipment Initial**	O	AN	1/4	Used

Description: Prefix or alphabetic part of an equipment unit's identifying number

P106	207	**Equipment Number**	O	AN	1/10	Used

Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

P107	21	**Number of Shipments**	O	N0	1/5	Used

Description: Total number of shipments on this transaction

Semantics:

1. P107 is the number of shipments tendered.

Comments:

1. P103 is the pick-up date qualifier.

R1 Route Information (Air)

<div style="border: 1px solid">

Pos: 090   **Max: 1**

Detail - Optional

Loop: LX   **Elements: 13**

</div>

User Option (Usage): Used

To specify airline and airport routing sequences

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R101	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
R102	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
R103	5	**Airport Code**	M	ID	3/5	Must use
		Description: Code (IATA) for airport				
R104	4	**Air Carrier Code**	M	ID	3/3	Must use
		Description: Code (IATA) for the air carrier				
R105	5	**Airport Code**	M	ID	3/5	Must use
		Description: Code (IATA) for airport				
R106	4	**Air Carrier Code**	X	ID	3/3	Used
		Description: Code (IATA) for the air carrier				
R107	5	**Airport Code**	X	ID	3/5	Used
		Description: Code (IATA) for airport				
R108	4	**Air Carrier Code**	X	ID	3/3	Used
		Description: Code (IATA) for the air carrier				
R109	5	**Airport Code**	X	ID	3/5	Used
		Description: Code (IATA) for airport				
R110	4	**Air Carrier Code**	X	ID	3/3	Used
		Description: Code (IATA) for the air carrier				
R111	5	**Airport Code**	X	ID	3/5	Used
		Description: Code (IATA) for airport				
R112	4	**Air Carrier Code**	X	ID	3/3	Used
		Description: Code (IATA) for the air carrier				
R113	5	**Airport Code**	X	ID	3/5	Used
		Description: Code (IATA) for airport				

Syntax Rules:

1. P0607 - If either R106 or R107 is present, then the other is required.
2. P0809 - If either R108 or R109 is present, then the other is required.
3. P1011 - If either R110 or R111 is present, then the other is required.
4. P1213 - If either R112 or R113 is present, then the other is required.

POD   Proof of Delivery

Pos: 100	Max: 1
Detail - Optional	
Loop: LX	Elements: 3

User Option (Usage): Used

To provide proof of delivery

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POD01	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

| POD02 | 337 | **Time** | O | TM | 4/8 | Used |

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

| POD03 | 93 | **Name** | M | AN | 1/60 | Must use |

Description: Free-form name

V9   Event Detail

Pos: 110   Max: 1
Detail - Optional
Loop: LX   Elements: 20

User Option (Usage): Used

To specify information about a specific event

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V901	304	**Event Code**	M	ID	3/3	Must use

Description: Code identifying the event about which a report is made
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V902	106	**Event**	O	AN	1/25	Used

Description: Free-form description of event

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V903	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V904	337	**Time**	X	TM	4/8	Used

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V905	19	**City Name**	O	AN	2/30	Used

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V906	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V907	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V908	641	**Status Reason Code**	O	ID	3/3	Used

Description: Code indicating the status reason
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V909	154	**Standard Point Location Code**	X	ID	6/9	Used

Description: Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V910	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V911	1274	**Train Delay Reason Code**	X	AN	2/2	Used

Description: Code specifying reason for train delay

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V912	61	**Free-Form Message**	O	AN	1/30	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Free-form information				
V913	623	**Time Code**	O	ID	2/2	Used

Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V914	380	**Quantity**	O	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V915	154	**Standard Point Location Code**	O	ID	6/9	Used

Description: Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V916	86	**Total Equipment**	O	N0	1/3	Used

Description: Total pieces of equipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V917	86	**Total Equipment**	O	N0	1/3	Used

Description: Total pieces of equipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V918	86	**Total Equipment**	O	N0	1/3	Used

Description: Total pieces of equipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V919	81	**Weight**	O	R	1/10	Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V920	82	**Length**	O	R	1/8	Used

Description: Largest horizontal dimension of an object measured when the object is in the upright position

Syntax Rules:

1. P1011 - If either V910 or V911 is present, then the other is required.
2. C1304 - If V913 is present, then V904 is required.
3. C1509 - If V915 is present, then V909 is required.

Semantics:

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.

RMT Remittance Advice

Pos: 125	Max: 10
Detail - Optional	
Loop: LX	Elements: 10

User Option (Usage): Used

To indicate the detail on items

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
RMT01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

> **Description:** Code qualifying the Reference Identification
> **All valid standard codes are used.**

RMT02	127	**Reference Identification**	M	AN	1/30	Must use

> **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

RMT03	782	**Monetary Amount**	O	R	1/18	Used

> **Description:** Monetary amount

RMT04	782	**Monetary Amount**	O	R	1/18	Used

> **Description:** Monetary amount

RMT05	782	**Monetary Amount**	O	R	1/18	Used

> **Description:** Monetary amount

RMT06	782	**Monetary Amount**	O	R	1/18	Used

> **Description:** Monetary amount

RMT07	782	**Monetary Amount**	O	R	1/18	Used

> **Description:** Monetary amount

RMT08	782	**Monetary Amount**	O	R	1/18	Used

> **Description:** Monetary amount

RMT09	426	**Adjustment Reason Code**	O	ID	2/2	Used

> **Description:** Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment
> **All valid standard codes are used.**

RMT10	352	**Description**	O	AN	1/80	Used

> **Description:** A free-form description to clarify the related data elements and their content

Semantics:

1. RMT04 is the amount of invoice (including charges, less allowances) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items.
2. RMT05 is the amount upon which the terms discount amount is calculated.
3. RMT06 is the amount of invoice due if paid by terms discount due date (total invoice amount less terms

discount amount).

4. RMT07 is the amount of discount taken which may be less than or equal to the amount of discount permitted.

5. RMT08 is any amount being deducted from or added to a particular invoice or line item for reasons other than payment discount (e.g., damaged goods, short shipment, tax, penalty, or late charge payment).

Comments:

1. Parties using this segment should agree on the content of RMT01 and RMT02 prior to initiating transaction communication.

2. RMT03 may also be used to specify the amount paid when different from the amount invoiced.

G47 Statement Identification

Pos: 130   Max: 1
Detail - Optional
Loop: LX   Elements: 2

User Option (Usage): Used

To transmit identifying numbers, dates, and other basic data relating to the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G4701	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

| G4702 | 613 | **Statement Number** | M | AN | 1/16 | Must use |

Description: Identifying number for statement assigned by issuer for charges

NTE Note/Special Instruction

Pos: 140	Max: 10
Detail - Optional	
Loop: LX	Elements: 2

User Option (Usage): Used

To transmit information in a free-form format, if necessary, for comment or special instruction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE01	363	**Note Reference Code**	O	ID	3/3	Used

Description: Code identifying the functional area or purpose for which the note applies
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE02	352	**Description**	M	AN	1/80	Must use

Description: A free-form description to clarify the related data elements and their content

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.

Loop L5

Pos: 150	Repeat: 4
Mandatory	
Loop: L5	**Elements: N/A**

User Option (Usage): Must use

To specify the line item in terms of description, quantity, packaging, and marks and numbers

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
150	L5	Description, Marks and Numbers	M	1		Must use
160	L0	Line Item - Quantity and Weight	O	1		Used
163	L4	Measurement	O	4		Used
165	L10	Weight	O	4		Used
167	SL1	Tariff Reference	O	1		Used
175		Loop L1	O		30	Used

L5 Description, Marks and Numbers

Pos: 150	Max: 1
Detail - Mandatory	
Loop: L5	Elements: 10

User Option (Usage): Must use

To specify the line item in terms of description, quantity, packaging, and marks and numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L501	213	**Lading Line Item Number**	O	N0	1/3	Used

Description: Sequential line number for a lading item

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L502	79	**Lading Description**	O	AN	1/50	Used

Description: Description of an item as required for rating and billing purposes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L503	22	**Commodity Code**	X	AN	1/30	Used

Description: Code describing a commodity or group of commodities

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L504	23	**Commodity Code Qualifier**	X	ID	1/1	Used

Description: Code identifying the commodity coding system used for Commodity Code
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L505	103	**Packaging Code**	O	AN	3/5	Used

Description: 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
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L506	87	**Marks and Numbers**	X	AN	1/48	Used

Description: Marks and numbers used to identify a shipment or parts of a shipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L507	88	**Marks and Numbers Qualifier**	O	ID	1/2	Used

Description: Code specifying the application or source of Marks and Numbers (87)
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L508	23	**Commodity Code Qualifier**	X	ID	1/1	Used

Description: Code identifying the commodity coding system used for Commodity Code
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L509	22	**Commodity Code**	X	AN	1/30	Used

Description: Code describing a commodity or group of commodities

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L510	595	**Compartment ID Code**	O	ID	1/1	Used

Description: Code identifying the compartment in a compartmentalized tank car
All valid standard codes are used.

Syntax Rules:

1. P0304 - If either L503 or L504 is present, then the other is required.

2. C0706 - If L507 is present, then L506 is required.
3. P0809 - If either L508 or L509 is present, then the other is required.

Comments:

1. L502 may be used to send quantity information as part of the product description.

L0 Line Item - Quantity and Weight

Pos: 160	**Max: 1**
Detail - Optional	
Loop: L5	**Elements: 15**

User Option (Usage): Used

To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L001	213	**Lading Line Item Number**	O	N0	1/3	Used

Description: Sequential line number for a lading item

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L002	220	**Billed/Rated-as Quantity**	X	R	1/11	Used

Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L003	221	**Billed/Rated-as Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of quantity or value on which the rate or item pricing is based
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L004	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L005	187	**Weight Qualifier**	X	ID	1/2	Used

Description: Code defining the type of weight
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L006	183	**Volume**	X	R	1/8	Used

Description: Value of volumetric measure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L007	184	**Volume Unit Qualifier**	X	ID	1/1	Used

Description: Code identifying the volume unit
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L008	80	**Lading Quantity**	X	N0	1/7	Used

Description: Number of units (pieces) of the lading commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L009	211	**Packaging Form Code**	X	ID	3/3	Used

Description: Code for packaging form of the lading quantity
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L010	458	**Dunnage Description**	O	AN	2/25	Used

Description: Material used to protect lading

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L011	188	**Weight Unit Code**	O	ID	1/1	Used

Description: Code specifying the weight unit
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L012	56	**Type of Service Code**	O	ID	2/2	Used

Description: Code specifying extent of transportation service requested
All valid standard codes are used.

L013	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity

L014	211	**Packaging Form Code**	O	ID	3/3	Used

Description: Code for packaging form of the lading quantity
All valid standard codes are used.

L015	1073	**Yes/No Condition or Response Code**	X	ID	1/1	Used

Description: Code indicating a Yes or No condition or response
All valid standard codes are used.

Syntax Rules:

1. P0203 - If either L002 or L003 is present, then the other is required.
2. P0405 - If either L004 or L005 is present, then the other is required.
3. P0607 - If either L006 or L007 is present, then the other is required.
4. P0809 - If either L008 or L009 is present, then the other is required.
5. C1104 - If L011 is present, then L004 is required.
6. P1315 - If either L013 or L015 is present, then the other is required.

Semantics:

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.

L4   Measurement

User Option (Usage): Used

To describe physical dimensions and quantities

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L401	82	**Length**	M	R	1/8	Must use

Description: Largest horizontal dimension of an object measured when the object is in the upright position

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L402	189	**Width**	M	R	1/8	Must use

Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L403	65	**Height**	M	R	1/8	Must use

Description: Vertical dimension of an object measured when the object is in the upright position

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L404	90	**Measurement Unit Qualifier**	M	ID	1/1	Must use

Description: Code specifying the linear dimensional unit
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L405	380	**Quantity**	O	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L406	1271	**Industry Code**	O	AN	1/30	Used

Description: Code indicating a code from a specific industry code list

Semantics:

1. L406 is the Rounding in Pattern for dimensional shipments.

L10 Weight

User Option (Usage): Used

To transmit weight information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1001	81	**Weight**	M	R	1/10	Must use
		Description: Numeric value of weight				
L1002	187	**Weight Qualifier**	M	ID	1/2	Must use
		Description: Code defining the type of weight **All valid standard codes are used.**				
L1003	188	**Weight Unit Code**	O	ID	1/1	Used
		Description: Code specifying the weight unit **All valid standard codes are used.**				

SL1   Tariff Reference

<table>
<tr><td>Pos: 167</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: L5</td><td>Elements: 9</td></tr>
</table>

User Option (Usage): Used

To reference details of the tariff used to arrive at applicable rates or charges for customer-requested service

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SL101	284	**Service Level Code**	M	ID	2/2	Must use

Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SL102	171	**Tariff Number**	O	AN	1/7	Used

Description: Standard tariff number for the tariff which governs the rates applied to the commodity item(s)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SL103	22	**Commodity Code**	X	AN	1/30	Used

Description: Code describing a commodity or group of commodities

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SL104	320	**Scale**	X	AN	1/10	Used

Description: A carrier-maintained reference used to further identify a schedule of rates within a tariff

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SL105	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SL106	284	**Service Level Code**	O	ID	2/2	Used

Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SL107	146	**Shipment Method of Payment**	O	ID	2/2	Used

Description: Code identifying payment terms for transportation charges
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SL108	982	**Data Source Code**	O	ID	2/2	Used

Description: Code identifying source of data
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SL109	210	**International/Domestic Code**	O	ID	1/1	Used

Description: Code indicating international or domestic shipment
All valid standard codes are used.

Syntax Rules:

1. R0304 - At least one of SL103 or SL104 is required.

Semantics:

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.

Loop L1

Pos: 175	Repeat: 30
Optional	
Loop: L1	**Elements: N/A**

User Option (Usage): Used

To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
175	L1	Rate and Charges	O	1		Used
180	C3	Currency	O	1		Used

L1   Rate and Charges

Pos: 175	**Max: 1**
Detail - Optional	
Loop: L1	**Elements: 21**

User Option (Usage): Used

To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L101	213	**Lading Line Item Number**	O	N0	1/3	Used

Description: Sequential line number for a lading item

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L102	60	**Freight Rate**	X	R	1/9	Used

Description: Rate that applies to the specific commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L103	122	**Rate/Value Qualifier**	X	ID	2/2	Used

Description: Code qualifying how to extend charges or interpret value
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L104	58	**Charge**	X	N2	1/12	Used

Description: 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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L105	191	**Advances**	X	N2	1/9	Used

Description: 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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L106	117	**Prepaid Amount**	X	N2	1/9	Used

Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L107	120	**Rate Combination Point Code**	O	AN	3/9	Used

Description: 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
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L108	150	**Special Charge or Allowance Code**	O	ID	3/3	Used

Description: Code identifying type of special charge or allowance
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L109	121	**Rate Class Code**	O	ID	1/3	Used

Description: Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L110	39	**Entitlement Code**	O	ID	1/1	Used

Description: Code identifying entitlement party

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		All valid standard codes are used.				
L111	16	**Charge Method of Payment**	O	ID	1/1	Used

Description: Code defining method of payment
All valid standard codes are used.

| L112 | 276 | **Special Charge Description** | O | AN | 2/25 | Used |

Description: Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150

| L113 | 257 | **Tariff Application Code** | O | ID | 1/1 | Used |

Description: Code indicating to which traffic a tariff applies
All valid standard codes are used.

| L114 | 74 | **Declared Value** | X | N2 | 2/12 | Used |

Description: Monetary assigned value expressed in the standard monetary denomination for the currency specified

| L115 | 122 | **Rate/Value Qualifier** | X | ID | 2/2 | Used |

Description: Code qualifying how to extend charges or interpret value
All valid standard codes are used.

| L116 | 372 | **Lading Liability Code** | O | ID | 1/1 | Used |

Description: Code identifying limits of liability
All valid standard codes are used.

| L117 | 220 | **Billed/Rated-as Quantity** | X | R | 1/11 | Used |

Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81

| L118 | 221 | **Billed/Rated-as Qualifier** | X | ID | 2/2 | Used |

Description: Code identifying the type of quantity or value on which the rate or item pricing is based
All valid standard codes are used.

| L119 | 954 | **Percent** | O | R | 1/10 | Used |

Description: Percentage expressed as a decimal

| L120 | 100 | **Currency Code** | O | ID | 3/3 | Used |

Description: Code (Standard ISO) for country in whose currency the charges are specified

| L121 | 610 | **Amount** | O | N2 | 1/15 | Used |

Description: Monetary amount

Syntax Rules:

1. P0203 - If either L102 or L103 is present, then the other is required.
2. R040506 - At least one of L104, L105 or L106 is required.
3. P1415 - If either L114 or L115 is present, then the other is required.
4. P1718 - If either L117 or L118 is present, then the other is required.

Semantics:

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.

C3 Currency

<div>Pos: 180   Max: 1
Detail - Optional
Loop: L1   Elements: 4</div>

User Option (Usage): Used

To specify the currency being used in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
C301	100	**Currency Code**	M	ID	3/3	Must use
		Description: Code (Standard ISO) for country in whose currency the charges are specified				
C302	280	**Exchange Rate**	O	R	4/10	Used
		Description: 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	Used
		Description: Code (Standard ISO) for country in whose currency the charges are specified				
C304	100	**Currency Code**	O	ID	3/3	Used
		Description: Code (Standard ISO) for country in whose currency the charges are specified				

Semantics:

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.

L3 Total Weight and Charges

<table>
<tr><td>Pos: 015</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 15</td></tr>
</table>

User Option (Usage): Must use

To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L301	81	**Weight**	X	R	1/10	Used
		Description: Numeric value of weight				
L302	187	**Weight Qualifier**	X	ID	1/2	Used
		Description: Code defining the type of weight **All valid standard codes are used.**				
L303	60	**Freight Rate**	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
L304	122	**Rate/Value Qualifier**	X	ID	2/2	Used
		Description: Code qualifying how to extend charges or interpret value **All valid standard codes are used.**				
L305	58	**Charge**	O	N2	1/12	Used
		Description: 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				
L306	191	**Advances**	O	N2	1/9	Used
		Description: 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				
L307	117	**Prepaid Amount**	O	N2	1/9	Used
		Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified				
L308	150	**Special Charge or Allowance Code**	O	ID	3/3	Used
		Description: Code identifying type of special charge or allowance **All valid standard codes are used.**				
L309	183	**Volume**	X	R	1/8	Used
		Description: Value of volumetric measure				
L310	184	**Volume Unit Qualifier**	X	ID	1/1	Used
		Description: Code identifying the volume unit **All valid standard codes are used.**				
L311	80	**Lading Quantity**	O	N0	1/7	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Number of units (pieces) of the lading commodity				
L312	188	**Weight Unit Code**	O	ID	1/1	Used
		Description: Code specifying the weight unit **All valid standard codes are used.**				
L313	171	**Tariff Number**	O	AN	1/7	Used
		Description: Standard tariff number for the tariff which governs the rates applied to the commodity item(s)				
L314	74	**Declared Value**	X	N2	2/12	Used
		Description: Monetary assigned value expressed in the standard monetary denomination for the currency specified				
L315	122	**Rate/Value Qualifier**	X	ID	2/2	Used
		Description: Code qualifying how to extend charges or interpret value **All valid standard codes are used.**				

Syntax Rules:

1. P0102 - If either L301 or L302 is present, then the other is required.
2. P0304 - If either L303 or L304 is present, then the other is required.
3. P0910 - If either L309 or L310 is present, then the other is required.
4. C1201 - If L312 is present, then L301 is required.
5. P1415 - If either L314 or L315 is present, then the other is required.

Semantics:

1. L305 is the total charges.

ACS Ancillary Charges

Pos: 020	Max: 1
Summary - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

To identify additional charges and payment terms for shipment charges that may or may not be directly related to a line item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACS01	610	**Amount**	M	N2	1/15	Must use
		Description: Monetary amount				
ACS02	150	**Special Charge or Allowance Code**	M	ID	3/3	Must use
		Description: Code identifying type of special charge or allowance				
		All valid standard codes are used.				
ACS03	352	**Description**	O	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
ACS04	146	**Shipment Method of Payment**	O	ID	2/2	Used
		Description: Code identifying payment terms for transportation charges				
		All valid standard codes are used.				

Semantics:

1. ACS01 for a line item: is the freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified.

Comments:

1. If ACS02 contains the value "999" (indicating Other), then ACS03 is required to identify the charge.

NTE Note/Special Instruction

<table>
<tr><td>Pos: 035</td><td>Max: 5</td></tr>
<tr><td colspan="2">Summary - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

To transmit information in a free-form format, if necessary, for comment or special instruction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE01	363	**Note Reference Code**	O	ID	3/3	Used

Description: Code identifying the functional area or purpose for which the note applies
All valid standard codes are used.

| NTE02 | 352 | **Description** | M | AN | 1/80 | Must use |

Description: A free-form description to clarify the related data elements and their content

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.

SE Transaction Set Trailer

Pos: 045	Max: 1
Summary - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

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

GE Functional Group Trailer

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

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Must use

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE02	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA   Interchange Control Trailer

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

User Option (Usage): Must use

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Must use

Description: A count of the number of functional groups included in an interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender