

# Table of Contents

<b>310</b>	<b>Freight Receipt and Invoice (Ocean)</b>	<b>1</b>
ISA	Interchange Control Header	4
GS	Functional Group Header	6
ST	Transaction Set Header	8
B3	Beginning Segment for Carrier's Invoice	9
B2A	Set Purpose	11
Y6	Authentication	12
G3	Compensation Information	13
N9	Reference Identification	14
V1	Vessel Identification	16
M0	Letter of Credit Reference	17
M1	Insurance	18
C2	Bank ID	20
C3	Currency	21
Y2	Container Details	22
N1	Loop Name	23
N1	Name	24
N2	Additional Name Information	25
N3	Address Information	26
N4	Geographic Location	27
G61	Contact	28
R4	Loop Port or Terminal	29
R4	Port or Terminal	30
DTM	Date/Time Reference	31
R2A	Route Information with Preference	32
R2	Route Information	34
K1	Remarks	36
H3	Special Handling Instructions	37
L5	Description, Marks and Numbers	38
C8	Loop Certifications and Clauses	40
C8	Certifications and Clauses	41
C8C	Certifications Clauses Continuation	42
LX	Loop Assigned Number	43
LX	Assigned Number	44
N7	Loop Equipment Details	45
N7	Equipment Details	46
QTY	Quantity	49
V4	Cargo Location Reference	51
N12	Equipment Environment	52

<b>M7</b>	<b>Seal Numbers</b> .....	<b>54</b>
<b>W09</b>	<b>Equipment and Temperature</b> .....	<b>55</b>
<b>L1</b>	<b>Loop Rate and Charges</b> .....	<b>57</b>
<b>L1</b>	<b>Rate and Charges</b> .....	<b>58</b>
<b>C3</b>	<b>Currency</b> .....	<b>61</b>
<b>L7</b>	<b>Tariff Reference</b> .....	<b>62</b>
<b>X1</b>	<b>Export License</b> .....	<b>64</b>
<b>X2</b>	<b>Import License</b> .....	<b>66</b>
<b>N9</b>	<b>Reference Identification</b> .....	<b>67</b>
<b>H1</b>	<b>Loop Hazardous Material</b> .....	<b>69</b>
<b>H1</b>	<b>Hazardous Material</b> .....	<b>70</b>
<b>H2</b>	<b>Additional Hazardous Material Description</b> .....	<b>71</b>
<b>L0</b>	<b>Loop Line Item - Quantity and Weight</b> .....	<b>72</b>
<b>L0</b>	<b>Line Item - Quantity and Weight</b> .....	<b>73</b>
<b>L5</b>	<b>Description, Marks and Numbers</b> .....	<b>75</b>
<b>L1</b>	<b>Loop Rate and Charges</b> .....	<b>77</b>
<b>L1</b>	<b>Rate and Charges</b> .....	<b>78</b>
<b>C3</b>	<b>Currency</b> .....	<b>81</b>
<b>L7</b>	<b>Tariff Reference</b> .....	<b>82</b>
<b>X1</b>	<b>Export License</b> .....	<b>84</b>
<b>X2</b>	<b>Import License</b> .....	<b>86</b>
<b>C8</b>	<b>Loop Certifications and Clauses</b> .....	<b>87</b>
<b>C8</b>	<b>Certifications and Clauses</b> .....	<b>88</b>
<b>C8C</b>	<b>Certifications Clauses Continuation</b> .....	<b>89</b>
<b>H1</b>	<b>Loop Hazardous Material</b> .....	<b>90</b>
<b>H1</b>	<b>Hazardous Material</b> .....	<b>91</b>
<b>H2</b>	<b>Additional Hazardous Material Description</b> .....	<b>92</b>
<b>L3</b>	<b>Total Weight and Charges</b> .....	<b>93</b>
<b>PWK</b>	<b>Paperwork</b> .....	<b>95</b>
<b>L1</b>	<b>Loop Rate and Charges</b> .....	<b>97</b>
<b>L1</b>	<b>Rate and Charges</b> .....	<b>98</b>
<b>C3</b>	<b>Currency</b> .....	<b>101</b>
<b>V9</b>	<b>Event Detail</b> .....	<b>102</b>
<b>C8</b>	<b>Certifications and Clauses</b> .....	<b>104</b>
<b>K1</b>	<b>Remarks</b> .....	<b>105</b>
<b>L11</b>	<b>Business Instructions and Reference Number</b> .....	<b>106</b>
<b>SE</b>	<b>Transaction Set Trailer</b> .....	<b>107</b>
<b>GE</b>	<b>Functional Group Trailer</b> .....	<b>108</b>
<b>IEA</b>	<b>Interchange Control Trailer</b> .....	<b>109</b>

# 310 Freight Receipt and Invoice (Ocean)

## Functional Group=IO

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Freight Receipt and Invoice (Ocean) Transaction Set (310) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide ocean bill of lading information. It is sent by ocean carriers to interested parties and can be used as the receipt for the shipment; to substitute for a paper bill of lading where the parties have agreed that a paper bill of lading is not necessary; to allow shipper or forwarder to verify bill of lading information before an original is printed and released; for information purposes, i.e., as a bill of lading copy; by the carrier to convey manifest information to a terminal operator; and as an invoice for freight.

### Not Defined:

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

### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	B3	Beginning Segment for Carrier's Invoice	M	1			Must use
030	B2A	Set Purpose	O	1			Used
040	Y6	Authentication	O	2			Used
050	G3	Compensation Information	O	1			Used
060	N9	Reference Identification	O	15			Used
070	V1	Vessel Identification	M	2			Must use
080	M0	Letter of Credit Reference	O	1			Used
090	M1	Insurance	O	5			Used
100	C2	Bank ID	O	1			Used
110	C3	Currency	O	1			Used
120	Y2	Container Details	O	10			Used

#### LOOP ID - N1

10

130	N1	Name	M	1			Must use
140	N2	Additional Name Information	O	1			Used
150	N3	Address Information	O	2			Used
160	N4	Geographic Location	O	1			Used
170	G61	Contact	O	3			Used

#### LOOP ID - R4

20

180	R4	Port or Terminal	M	1			Must use
190	DTM	Date/Time Reference	O	15			Used
199	R2A	Route Information with Preference	O	25			Used
200	R2	Route Information	O	13			Used
210	K1	Remarks	O	12			Used
220	H3	Special Handling Instructions	O	6			Used
230	L5	Description, Marks and	O	1			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
		Numbers					
<b>LOOP ID - C8</b>					<b>20</b>		
240	C8	Certifications and Clauses	O	1			Used
250	C8C	Certifications Clauses Continuation	O	5			Used

**Detail:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - LX</b>					<b>999</b>		
010	LX	Assigned Number	M	1			Must use
<b>LOOP ID - N7</b>					<b>999</b>		
020	N7	Equipment Details	O	1			Used
025	QTY	Quantity	O	1			Used
030	V4	Cargo Location Reference	O	1			Used
040	N12	Equipment Environment	O	1			Used
050	M7	Seal Numbers	O	5			Used
060	W09	Equipment and Temperature	O	1			Used
<b>LOOP ID - L1</b>					<b>20</b>		
070	L1	Rate and Charges	O	1			Used
080	C3	Currency	O	1			Used
090	L7	Tariff Reference	O	1			Used
100	X1	Export License	O	1			Used
110	X2	Import License	O	1			Used
120	N9	Reference Identification	O	3			Used
<b>LOOP ID - H1</b>					<b>10</b>		
130	H1	Hazardous Material	O	1			Used
140	H2	Additional Hazardous Material Description	O	10			Used
<b>LOOP ID - L0</b>					<b>120</b>		
150	L0	Line Item - Quantity and Weight	O	1			Used
160	L5	Description, Marks and Numbers	O	999			Used
<b>LOOP ID - L1</b>					<b>20</b>		
170	L1	Rate and Charges	O	1			Used
180	C3	Currency	O	1			Used
190	L7	Tariff Reference	O	1			Used
200	X1	Export License	O	1			Used
210	X2	Import License	O	1			Used
<b>LOOP ID - C8</b>					<b>20</b>		
220	C8	Certifications and Clauses	O	1			Used
221	C8C	Certifications Clauses Continuation	O	5			Used
<b>LOOP ID - H1</b>					<b>10</b>		
230	H1	Hazardous Material	O	1			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
240	H2	Additional Hazardous Material Description	O	10			Used

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	L3	Total Weight and Charges	M	1			Must use
020	PWK	Paperwork	O	25			Used
<b><u>LOOP ID - L1</u></b>					<b><u>20</u></b>		
030	L1	Rate and Charges	O	1			Used
040	C3	Currency	O	1			Used
050	V9	Event Detail	O	10			Used
055	C8	Certifications and Clauses	O	20			Used
060	K1	Remarks	O	999			Used
070	L11	Business Instructions and Reference Number	O	1			Used
080	SE	Transaction Set Trailer	M	1			Must use

**Not Defined:**

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

# ISA Interchange Control Header

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

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use
<p><b>Description:</b> Code to identify the type of information in the Authorization Information  <b>All valid standard codes are used. (Total Codes: 7)</b></p>						
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
<p><b>Description:</b> 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)</p>						
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
<p><b>Description:</b> Code to identify the type of information in the Security Information  <b>All valid standard codes are used. (Total Codes: 2)</b></p>						
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
<p><b>Description:</b> 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)</p>						
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<p><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified  <b>All valid standard codes are used. (Total Codes: 38)</b></p>						
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
<p><b>Description:</b> 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</p>						
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<p><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified  <b>All valid standard codes are used. (Total Codes: 38)</b></p>						
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use
<p><b>Description:</b> 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</p>						
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use
<p><b>Description:</b> Date of the interchange</p>						
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Time of the interchange				
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>All valid standard codes are used. (Total Codes: 1)</b>				
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use
		<b>Description:</b> Code specifying the version number of the interchange control segments <b>All valid standard codes are used. (Total Codes: 14)</b>				
ISA13	I12	<b>Interchange Control Number</b>	M	NO	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
		<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1) <b>All valid standard codes are used. (Total Codes: 2)</b>				
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information <b>All valid standard codes are used. (Total Codes: 3)</b>				
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
		<b>Description:</b> 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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use
<p><b>Description:</b> Code identifying a group of application related transaction sets</p> <p><b>CodeList Summary</b> (Total Codes: 240, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>IO Ocean Shipment Billing Details (310, 312, 980)</p>						
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
<p><b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners</p>						
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
<p><b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners</p>						
GS04	373	<b>Date</b>	M	DT	8/8	Must use
<p><b>Description:</b> Date expressed as CCYYMMDD</p>						
GS05	337	<b>Time</b>	M	TM	4/8	Must use
<p><b>Description:</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)</p>						
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use
<p><b>Description:</b> Assigned number originated and maintained by the sender</p>						
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
<p><b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480</p> <p><b>All valid standard codes are used. (Total Codes: 2)</b></p>						
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
<p><b>Description:</b> 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</p> <p><b>CodeList Summary</b> (Total Codes: 39, Included: 1)</p>						



<u>Code</u>	<u>Name</u>
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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use
<b>Description:</b> Code uniquely identifying a Transaction Set						
<b>All valid standard codes are used. (Total Codes: 298)</b>						
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
<b>Description:</b> 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

Purpose: To transmit basic data relating to the carrier's invoice

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B301	147	Shipment Qualifier	O	ID	1/1	Used
		<b>Description:</b> Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time <b>All valid standard codes are used. (Total Codes: 35)</b>				
B302	76	Invoice Number	M	AN	1/22	Must use
		<b>Description:</b> Identifying number assigned by issuer				
B303	145	Shipment Identification Number	O	AN	1/30	Used
		<b>Description:</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)				
B304	146	Shipment Method of Payment	M	ID	2/2	Must use
		<b>Description:</b> Code identifying payment terms for transportation charges <b>All valid standard codes are used. (Total Codes: 28)</b>				
B305	188	Weight Unit Code	O	ID	1/1	Used
		<b>Description:</b> Code specifying the weight unit <b>All valid standard codes are used. (Total Codes: 8)</b>				
B306	373	Date	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD				
B307	193	Net Amount Due	M	N2	1/12	Must use
		<b>Description:</b> 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
		<b>Description:</b> Code used to indicate that the transaction set contains information which corrects previous information <b>All valid standard codes are used. (Total Codes: 36)</b>				
B309	32	Delivery Date	X	DT	8/8	Used
		<b>Description:</b> 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
		<b>Description:</b> Code specifying type of date or time, or both date and time <b>All valid standard codes are used. (Total Codes: 1112)</b>				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B311	140	<b>Standard Carrier Alpha Code</b>	M	ID	2/4	Must use
		<b>Description:</b> Standard Carrier Alpha Code				
B312	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
B313	375	<b>Tariff Service Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the types of services for rating purposes				
		<b>All valid standard codes are used. (Total Codes: 79)</b>				
B314	335	<b>Transportation Terms Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code identifying the trade terms which apply to the shipment transportation responsibility				
		<b>All valid standard codes are used. (Total Codes: 25)</b>				

### 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.

# B2A Set Purpose

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

**User Option (Usage):** Used

**Purpose:** To allow for positive identification of transaction set purpose

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B2A01	353	<b>Transaction Set Purpose Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying purpose of transaction set <b>All valid standard codes are used. (Total Codes: 65)</b>				
B2A02	346	<b>Application Type</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying an application <b>All valid standard codes are used. (Total Codes: 84)</b>				

# Y6 Authentication

Pos: 040	Max: 2
Heading - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify the authority for authorizing an action and the date authentication is made

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Y601	313	<b>Authority Identifier Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code indicating authority for authentication All valid standard codes are used. (Total Codes: 10)				
Y602	151	<b>Authority</b>	M	AN	1/20	Must use
		<b>Description:</b> Name or code of authority for authorizing action or reservation				
Y603	275	<b>Authorization Date</b>	M	DT	8/8	Must use
		<b>Description:</b> Date authentication is made expressed in format CCYYMMDD				

# G3 Compensation Information

Pos: 050	Max: 1
Heading - Optional	
Loop: N/A	Elements: 6

**User Option (Usage):** Used

**Purpose:** To convey brokerage, freight forwarder compensation, and other compensation information related to shipments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G301	315	<b>Compensation Paid</b>	O	R	2/5	Used
		<b>Description:</b> Commission paid to broker for services rendered				
G302	317	<b>Total Compensation Amount</b>	M	N0	3/10	Must use
		<b>Description:</b> Amount calculated from brokerage amount				
G303	93	<b>Name</b>	O	AN	1/60	Used
		<b>Description:</b> Free-form name				
G304	201	<b>Business Transaction Status</b>	O	ID	1/3	Used
		<b>Description:</b> Code indicating the status of an ocean business transaction as it relates to the processing of ocean bills of lading				
		<b>All valid standard codes are used. (Total Codes: 12)</b>				
G305	782	<b>Monetary Amount</b>	O	R	1/18	Used
		<b>Description:</b> Monetary amount				
G306	73	<b>Compensation Qualifier</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating type of compensation				
		<b>All valid standard codes are used. (Total Codes: 3)</b>				

## Comments:

1. G305 is the amount on which compensation is based.

# N9 Reference Identification

Pos: 060	Max: 15
Heading - Optional	
Loop: N/A	Elements: 7

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>				
N902	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N903	369	<b>Free-form Description</b>	X	AN	1/45	Used
		<b>Description:</b> Free-form descriptive text				
N904	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
N905	337	<b>Time</b>	X	TM	4/8	Used
		<b>Description:</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)				
N906	623	<b>Time Code</b>	O	ID	2/2	Used
		<b>Description:</b> 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 <b>All valid standard codes are used. (Total Codes: 51)</b>				
N907	C040	<b>Reference Identifier</b>	O	Comp		Used
		<b>Description:</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
N907-01	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>				
N907-02	127	<b>Reference Identification</b>	M	AN	1/30	Must use
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-03	128	<b>Reference Identification Qualifier</b>	X	ID	2/3	Used
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>				



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N907-04	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-05	128	<b>Reference Identification Qualifier</b>	X	ID	2/3	Used
		<b>Description:</b> Code qualifying the Reference Identification				
		<b>All valid standard codes are used. (Total Codes: 1503)</b>				
N907-06	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> 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.

# V1 Vessel Identification

Pos: 070	Max: 2
Heading - Mandatory	
Loop: N/A	Elements: 9

**User Option (Usage):** Must use

**Purpose:** To provide vessel details and voyage number

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
V101	597	<b>Vessel Code</b>	X	ID	1/8	Used
		<b>Description:</b> Code identifying vessel				
V102	182	<b>Vessel Name</b>	X	AN	2/28	Used
		<b>Description:</b> Name of ship as documented in "Lloyd's Register of Ships"				
V103	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
V104	55	<b>Flight/Voyage Number</b>	O	AN	2/10	Used
		<b>Description:</b> Identifying designator for the particular flight or voyage on which the cargo travels				
V105	140	<b>Standard Carrier Alpha Code</b>	O	ID	2/4	Used
		<b>Description:</b> Standard Carrier Alpha Code				
V106	249	<b>Vessel Requirement Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code specifying options for satisfying vessel requirements <b>All valid standard codes are used. (Total Codes: 5)</b>				
V107	854	<b>Vessel Type Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code to determine type of vessel <b>All valid standard codes are used. (Total Codes: 20)</b>				
V108	897	<b>Vessel Code Qualifier</b>	O	ID	1/1	Used
		<b>Description:</b> Code specifying vessel code source <b>All valid standard codes are used. (Total Codes: 4)</b>				
V109	91	<b>Transportation Method/Type Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code specifying the method or type of transportation for the shipment <b>All valid standard codes are used. (Total Codes: 71)</b>				

## Syntax Rules:

1. R0102 - At least one of V101 or V102 is required.
2. C0801 - If V108 is present, then V101 is required.

## Semantics:

1. V103 is the code identifying the country in which the ship (vessel) is registered.
2. V105 identifies the ocean carrier.

# M0 Letter of Credit Reference

Pos: 080	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

**User Option (Usage):** Used

**Purpose:** To transmit letter of credit details

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M001	250	<b>Letter of Credit Number</b>	M	AN	2/40	Must use
		<b>Description:</b> Identifying reference number for a letter of credit				
M002	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
M003	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
M004	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				

## Semantics:

1. M002 is the date on which a letter of credit was issued.
2. M003 is the date on which the letter of credit expires.
3. M004 is the date on which cargo was physically placed onboard said ship voyage.

# M1 Insurance

Pos: 090	Max: 5
Heading - Optional	
Loop: N/A	Elements: 12

**User Option (Usage):** Used

**Purpose:** To specify details related to insurance

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M101	26	<b>Country Code</b>	M	ID	2/3	Must use
		<b>Description:</b> Code identifying the country				
M102	14	<b>Carriage Value</b>	O	N0	2/8	Used
		<b>Description:</b> Carriage value expressed in whole units of the standard monetary denomination for the currency specified				
M103	74	<b>Declared Value</b>	O	N2	2/12	Used
		<b>Description:</b> Monetary assigned value expressed in the standard monetary denomination for the currency specified				
M104	122	<b>Rate/Value Qualifier</b>	O	ID	2/2	Used
		<b>Description:</b> Code qualifying how to extend charges or interpret value <b>All valid standard codes are used. (Total Codes: 163)</b>				
M105	98	<b>Entity Identifier Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <b>All valid standard codes are used. (Total Codes: 1312)</b>				
M106	61	<b>Free-Form Message</b>	O	AN	1/30	Used
		<b>Description:</b> Free-form information				
M107	122	<b>Rate/Value Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code qualifying how to extend charges or interpret value <b>All valid standard codes are used. (Total Codes: 163)</b>				
M108	782	<b>Monetary Amount</b>	X	R	1/18	Used
		<b>Description:</b> Monetary amount				
M109	1004	<b>Percent Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code to qualify percent <b>All valid standard codes are used. (Total Codes: 206)</b>				
M110	954	<b>Percent</b>	X	R	1/10	Used
		<b>Description:</b> Percentage expressed as a decimal				
M111	1004	<b>Percent Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code to qualify percent <b>All valid standard codes are used. (Total Codes: 206)</b>				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M112	954	Percent	X	R	1/10	Used

**Description:** Percentage expressed as a decimal

### Syntax Rules:

1. P0708 - If either M107 or M108 is present, then the other is required.
2. P0910 - If either M109 or M110 is present, then the other is required.
3. P1112 - If either M111 or M112 is present, then the other is required.

### Semantics:

1. M101 is the code identifying the country in whose currency the insurance is specified.
2. M105 (organization identifier) is the code for the beneficiary of the insurance policy.
3. M106 is free-form information used to describe the type of insurance coverage.

### Comments:

1. M107 through M112 may be used to specify the values to be used in insurance formulas. For example: M107 and M108 may specify the basis of application and the premium rate (\$0.25 per hundred), M109 and M110 may specify the value at which insurance is to be obtained (insure at 110% of bill of lading value), and M111 and M112 may specify the premium rate (rate of .015 per dollar).

# C2 Bank ID

Pos: 100	Max: 1
Heading - Optional	
Loop: N/A	Elements: 7

**User Option (Usage):** Used

**Purpose:** To specify data required for electronic payment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C201	8	<b>Bank Client Code</b>	M	ID	1/1	Must use
		<b>Description:</b> Code identifying payee or payer				
		<b>All valid standard codes are used. (Total Codes: 2)</b>				
C202	66	<b>Identification Code Qualifier</b>	M	ID	1/2	Must use
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)				
		<b>All valid standard codes are used. (Total Codes: 215)</b>				
C203	67	<b>Identification Code</b>	M	AN	2/80	Must use
		<b>Description:</b> Code identifying a party or other code				
C204	20	<b>Client Bank Number</b>	O	AN	3/9	Used
		<b>Description:</b> Federal Reserve Routing Code				
C205	7	<b>Bank Account Number</b>	O	AN	6/17	Used
		<b>Description:</b> ID number assigned by bank to its client				
C206	107	<b>Payment Method Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code identifying type of payment procedures				
		<b>All valid standard codes are used. (Total Codes: 37)</b>				
C207	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				

## Comments:

1. C207 is the effective payment date.

# C3 Currency

Pos: 110	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify the currency being used in the transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C301	100	<b>Currency Code</b>	M	ID	3/3	Must use
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				
C302	280	<b>Exchange Rate</b>	O	R	4/10	Used
		<b>Description:</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another				
C303	100	<b>Currency Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				
C304	100	<b>Currency Code</b>	O	ID	3/3	Used
		<b>Description:</b> 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.

# Y2 Container Details

Pos: 120	Max: 10
Heading - Optional	
Loop: N/A	Elements: 10

**User Option (Usage):** Used

**Purpose:** To specify container information and transportation service to be used

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Y201	95	<b>Number of Containers</b>	M	N0	1/4	Must use
		<b>Description:</b> Number of shipping containers				
Y202	78	<b>Container Type Request Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating type of container equipment requested <b>All valid standard codes are used. (Total Codes: 4)</b>				
Y203	56	<b>Type of Service Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying extent of transportation service requested <b>All valid standard codes are used. (Total Codes: 18)</b>				
Y204	24	<b>Equipment Type</b>	M	ID	4/4	Must use
		<b>Description:</b> Code identifying equipment type				
Y205	91	<b>Transportation Method/Type Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code specifying the method or type of transportation for the shipment <b>All valid standard codes are used. (Total Codes: 71)</b>				
Y206	177	<b>Intermodal Service Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code identifying the Intermodal Service Plan				
Y207	140	<b>Standard Carrier Alpha Code</b>	O	ID	2/4	Used
		<b>Description:</b> Standard Carrier Alpha Code				
Y208	464	<b>Container Terms Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code indicating origin and destination of transportation and type of container				
Y209	465	<b>Container Terms Code Qualifier</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating container terms reference <b>All valid standard codes are used. (Total Codes: 1)</b>				
Y210	466	<b>Total Stopoffs</b>	O	N0	1/2	Used
		<b>Description:</b> Total number of stopoffs specified for a shipment				



# Loop Name

Pos: 130	Repeat: 10
Mandatory	
Loop: N1	Elements: N/A

**User Option (Usage):** Must use

**Purpose:** 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>
130	N1	Name	M	1		Must use
140	N2	Additional Name Information	O	1		Used
150	N3	Address Information	O	2		Used
160	N4	Geographic Location	O	1		Used

# N1 Name

<b>Pos: 130</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N1</b>	<b>Elements: 6</b>

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual				
		<b>All valid standard codes are used. (Total Codes: 1312)</b>				
N102	93	<b>Name</b>	X	AN	1/60	Used
		<b>Description:</b> Free-form name				
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)				
		<b>All valid standard codes are used. (Total Codes: 215)</b>				
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
N105	706	<b>Entity Relationship Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code describing entity relationship				
		<b>All valid standard codes are used. (Total Codes: 96)</b>				
N106	98	<b>Entity Identifier Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual				
		<b>All valid standard codes are used. (Total Codes: 1312)</b>				

## 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: 140	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

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

## Element Summary:

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

# N3 Address Information

Pos: 150	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify the location of the named party

## Element Summary:

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

# N4 Geographic Location

Pos: 160	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
N405	309	<b>Location Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code identifying type of location				
		<b>All valid standard codes are used. (Total Codes: 172)</b>				
N406	310	<b>Location Identifier</b>	O	AN	1/30	Used
		<b>Description:</b> 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.

# G61 Contact

<b>Pos: 170</b>	<b>Max: 3</b>
<b>Heading - Optional</b>	
<b>Loop: N/A</b>	<b>Elements: 5</b>

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6101	366	<b>Contact Function Code</b>	M	ID	2/2	Must use
<p><b>Description:</b> Code identifying the major duty or responsibility of the person or group named</p> <p><b>All valid standard codes are used. (Total Codes: 230)</b></p>						
G6102	93	<b>Name</b>	M	AN	1/60	Must use
<p><b>Description:</b> Free-form name</p>						
G6103	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>All valid standard codes are used. (Total Codes: 40)</b></p>						
G6104	364	<b>Communication Number</b>	X	AN	1/80	Used
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>						
G6105	443	<b>Contact Inquiry Reference</b>	O	AN	1/20	Used
<p><b>Description:</b> Additional reference number or description to clarify a contact number</p>						

## Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

## Comments:

1. G6103 qualifies G6104.

# Loop Port or Terminal

Pos: 180	Repeat: 20
Mandatory	
Loop: R4	Elements: N/A

**User Option (Usage):** Must use

**Purpose:** Contractual or operational port or point relevant to the movement of the cargo

## 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>
180	R4	Port or Terminal	M	1		Must use
190	DTM	Date/Time Reference	O	15		Used

# R4 Port or Terminal

Pos: 180	Max: 1
Heading - Mandatory	
Loop: R4	Elements: 8

**User Option (Usage):** Must use

**Purpose:** Contractual or operational port or point relevant to the movement of the cargo

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R401	115	<b>Port or Terminal Function Code</b>	M	ID	1/1	Must use
		<b>Description:</b> Code defining function performed at the port or terminal with respect to a shipment				
		<b>All valid standard codes are used. (Total Codes: 30)</b>				
R402	309	<b>Location Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code identifying type of location				
		<b>All valid standard codes are used. (Total Codes: 172)</b>				
R403	310	<b>Location Identifier</b>	X	AN	1/30	Used
		<b>Description:</b> Code which identifies a specific location				
R404	114	<b>Port Name</b>	O	AN	2/24	Used
		<b>Description:</b> Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property				
R405	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
R406	174	<b>Terminal Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form field for terminal name				
R407	113	<b>Pier Number</b>	O	AN	1/4	Used
		<b>Description:</b> Identifying number for the pier				
R408	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				

## Syntax Rules:

1. P0203 - If either R402 or R403 is present, then the other is required.

## Comments:

1. R4 is required for each port to be identified.



# DTM Date/Time Reference

Pos: 190	Max: 15
Heading - Optional	
Loop: R4	Elements: 6

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b>	M	ID	3/3	Must use
<p><b>Description:</b> Code specifying type of date or time, or both date and time  <b>All valid standard codes are used. (Total Codes: 1112)</b></p>						
DTM02	373	<b>Date</b>	X	DT	8/8	Used
<p><b>Description:</b> Date expressed as CCYYMMDD</p>						
DTM03	337	<b>Time</b>	X	TM	4/8	Used
<p><b>Description:</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)</p>						
DTM04	623	<b>Time Code</b>	O	ID	2/2	Used
<p><b>Description:</b> 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  <b>All valid standard codes are used. (Total Codes: 51)</b></p>						
DTM05	1250	<b>Date Time Period Format Qualifier</b>	X	ID	2/3	Used
<p><b>Description:</b> Code indicating the date format, time format, or date and time format  <b>All valid standard codes are used. (Total Codes: 39)</b></p>						
DTM06	1251	<b>Date Time Period</b>	X	AN	1/35	Used
<p><b>Description:</b> Expression of a date, a time, or range of dates, times or dates and times</p>						

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

# R2A Route Information with Preference

Pos: 199	Max: 25
Heading - Optional	
Loop: N/A	Elements: 10

**User Option (Usage):** Used

**Purpose:** To specify the responsibilities and carrier preference

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R2A01	133	<b>Routing Sequence Code</b>	M	ID	1/2	Must use
		<b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement <b>All valid standard codes are used. (Total Codes: 23)</b>				
R2A02	1431	<b>Preference</b>	M	ID	1/1	Must use
		<b>Description:</b> Code specifying sender's preference <b>All valid standard codes are used. (Total Codes: 6)</b>				
R2A03	91	<b>Transportation Method/Type Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code specifying the method or type of transportation for the shipment <b>All valid standard codes are used. (Total Codes: 71)</b>				
R2A04	140	<b>Standard Carrier Alpha Code</b>	O	ID	2/4	Used
		<b>Description:</b> Standard Carrier Alpha Code				
R2A05	309	<b>Location Qualifier</b>	O	ID	1/2	Used
		<b>Description:</b> Code identifying type of location <b>All valid standard codes are used. (Total Codes: 172)</b>				
R2A06	310	<b>Location Identifier</b>	X	AN	1/30	Used
		<b>Description:</b> Code which identifies a specific location				
R2A07	56	<b>Type of Service Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying extent of transportation service requested <b>All valid standard codes are used. (Total Codes: 18)</b>				
R2A08	1	<b>Route Code</b>	O	AN	1/13	Used
		<b>Description:</b> Mutually defined route code				
R2A09	742	<b>Route Description</b>	O	AN	1/35	Used
		<b>Description:</b> Point to point routing description				
R2A10	98	<b>Entity Identifier Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <b>All valid standard codes are used. (Total Codes: 1312)</b>				

## Syntax Rules:

1. C0506 - If R2A05 is present, then R2A06 is required.

**Semantics:**

1. R2A05 and R2A06 identify the origin point.
2. R2A10 identifies the party to receive the invoice for the route segment.

# R2 Route Information

Pos: 200	Max: 13
Heading - Optional	
Loop: N/A	Elements: 13

**User Option (Usage):** Used

**Purpose:** To specify carrier and routing sequences and details

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R201	140	<b>Standard Carrier Alpha Code</b>	M	ID	2/4	Must use
		<b>Description:</b> Standard Carrier Alpha Code				
R202	133	<b>Routing Sequence Code</b>	M	ID	1/2	Must use
		<b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement <b>All valid standard codes are used. (Total Codes: 23)</b>				
R203	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
R204	154	<b>Standard Point Location Code</b>	O	ID	6/9	Used
		<b>Description:</b> 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				
R205	177	<b>Intermodal Service Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code identifying the Intermodal Service Plan				
R206	91	<b>Transportation Method/Type Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code specifying the method or type of transportation for the shipment <b>All valid standard codes are used. (Total Codes: 71)</b>				
R207	296	<b>Intermediate Switch Carrier</b>	X	ID	2/4	Used
		<b>Description:</b> Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)				
R208	296	<b>Intermediate Switch Carrier</b>	O	ID	2/4	Used
		<b>Description:</b> Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)				
R209	76	<b>Invoice Number</b>	O	AN	1/22	Used
		<b>Description:</b> Identifying number assigned by issuer				
R210	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
R211	369	<b>Free-form Description</b>	O	AN	1/45	Used
		<b>Description:</b> Free-form descriptive text				
R212	56	<b>Type of Service Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying extent of transportation service requested				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
<b>All valid standard codes are used. (Total Codes: 18)</b>						
R213	742	Route Description	O	AN	1/35	Used
<b>Description:</b> Point to point routing description						

**Syntax Rules:**

1. C0807 - If R208 is present, then R207 is required.

**Semantics:**

1. R203 is the station or city name at which carriers interchange shipments.
2. R210 is the billing date.

# K1 Remarks

Pos: 210	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit information in a free-form format for comment or special instruction

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
K101	61	<b>Free-Form Message</b>	M	AN	1/30	Must use
		<b>Description:</b> Free-form information				
K102	61	<b>Free-Form Message</b>	O	AN	1/30	Used
		<b>Description:</b> Free-form information				

# H3 Special Handling Instructions

Pos: 220	Max: 6
Heading - Optional	
Loop: N/A	Elements: 5

**User Option (Usage):** Used

**Purpose:** To specify special handling instructions in coded or free-form format

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H301	152	<b>Special Handling Code</b>	X	ID	2/3	Used
		<b>Description:</b> Code specifying special transportation handling instructions <b>All valid standard codes are used. (Total Codes: 526)</b>				
H302	153	<b>Special Handling Description</b>	X	AN	2/30	Used
		<b>Description:</b> Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate				
H303	241	<b>Protective Service Code</b>	O	ID	1/4	Used
		<b>Description:</b> Code specifying perishable protective service- rail carriers only <b>All valid standard codes are used. (Total Codes: 9)</b>				
H304	242	<b>Vent Instruction Code</b>	O	ID	1/7	Used
		<b>Description:</b> Code specifying vent instructions <b>All valid standard codes are used. (Total Codes: 8)</b>				
H305	257	<b>Tariff Application Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating to which traffic a tariff applies <b>All valid standard codes are used. (Total Codes: 10)</b>				

## Syntax Rules:

1. E0102 - Only one of H301 or H302 may be present.

# L5 Description, Marks and Numbers

Pos: 230	Max: 1
Heading - Optional	
Loop: N/A	Elements: 10

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L501	213	Lading Line Item Number	O	NO	1/3	Used
		<b>Description:</b> Sequential line number for a lading item				
L502	79	Lading Description	O	AN	1/50	Used
		<b>Description:</b> Description of an item as required for rating and billing purposes				
L503	22	Commodity Code	X	AN	1/30	Used
		<b>Description:</b> Code describing a commodity or group of commodities				
L504	23	Commodity Code Qualifier	X	ID	1/1	Used
		<b>Description:</b> Code identifying the commodity coding system used for Commodity Code <b>All valid standard codes are used. (Total Codes: 23)</b>				
L505	103	Packaging Code	O	AN	3/5	Used
		<b>Description:</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 <b>All valid standard codes are used. (Total Codes: 203)</b>				
L506	87	Marks and Numbers	X	AN	1/48	Used
		<b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment				
L507	88	Marks and Numbers Qualifier	O	ID	1/2	Used
		<b>Description:</b> Code specifying the application or source of Marks and Numbers (87) <b>All valid standard codes are used. (Total Codes: 20)</b>				
L508	23	Commodity Code Qualifier	X	ID	1/1	Used
		<b>Description:</b> Code identifying the commodity coding system used for Commodity Code <b>All valid standard codes are used. (Total Codes: 23)</b>				
L509	22	Commodity Code	X	AN	1/30	Used
		<b>Description:</b> Code describing a commodity or group of commodities				
L510	595	Compartment ID Code	O	ID	1/1	Used
		<b>Description:</b> Code identifying the compartment in a compartmentalized tank car <b>All valid standard codes are used. (Total Codes: 6)</b>				

## 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.

# Loop Certifications and Clauses

Pos: 240	Repeat: 20
Optional	
Loop: C8	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify applicable certifications and clauses

## 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>
240	C8	Certifications and Clauses	O	1		Used
250	C8C	Certifications Clauses Continuation	O	5		Used

# C8 Certifications and Clauses

Pos: 240	Max: 1
Heading - Optional	
Loop: C8	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify applicable certifications and clauses

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C801	213	<b>Lading Line Item Number</b>	O	N0	1/3	Used
		<b>Description:</b> Sequential line number for a lading item				
C802	246	<b>Certification/Clause Code</b>	X	ID	2/4	Used
		<b>Description:</b> Code identifying certification/clause information				
		<b>All valid standard codes are used. (Total Codes: 59)</b>				
C803	247	<b>Certification/Clause Text</b>	X	AN	2/60	Used
		<b>Description:</b> Free-form description of commercial invoice certification/clause				
C804	1302	<b>Shipper's Export Declaration Requirements</b>	O	AN	1/2	Used
		<b>Description:</b> Code identifying which Shipper's Export Declaration (SED) requirements are being met				

## Syntax Rules:

1. R0302 - At least one of C803 or C802 is required.

# C8C Certifications Clauses Continuation

Pos: 250	Max: 5
Heading - Optional	
Loop: C8	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify additional applicable certifications and clauses

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C8C01	247	Certification/Clause Text	M	AN	2/60	Must use
		<b>Description:</b> Free-form description of commercial invoice certification/clause				
C8C02	247	Certification/Clause Text	O	AN	2/60	Used
		<b>Description:</b> Free-form description of commercial invoice certification/clause				
C8C03	247	Certification/Clause Text	O	AN	2/60	Used
		<b>Description:</b> Free-form description of commercial invoice certification/clause				

# Loop Assigned Number

Pos: 010	Repeat: 999
Mandatory	
Loop: LX	Elements: N/A

**User Option (Usage):** Must use

**Purpose:** To reference a line number in a transaction set

## 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>
010	LX	Assigned Number	M	1		Must use
020		Loop N7	O		999	Used
150		Loop L0	O		120	Used

# LX Assigned Number

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

**User Option (Usage):** Must use

**Purpose:** To reference a line number in a transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LX01	554	Assigned Number	M	NO	1/6	Must use

**Description:** Number assigned for differentiation within a transaction set

# Loop Equipment Details

Pos: 020	Repeat: 999
Optional	
Loop: N7	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To identify the equipment

## 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>
020	N7	Equipment Details	O	1		Used
025	QTY	Quantity	O	1		Used
030	V4	Cargo Location Reference	O	1		Used
040	N12	Equipment Environment	O	1		Used
050	M7	Seal Numbers	O	5		Used
060	W09	Equipment and Temperature	O	1		Used
070		Loop L1	O		20	Used
090	L7	Tariff Reference	O	1		Used
100	X1	Export License	O	1		Used
110	X2	Import License	O	1		Used
120	N9	Reference Identification	O	3		Used
130		Loop H1	O		10	Used

# N7 Equipment Details

Pos: 020	Max: 1
Detail - Optional	
Loop: N7	Elements: 24

**User Option (Usage):** Used

**Purpose:** To identify the equipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N701	206	<b>Equipment Initial</b>	O	AN	1/4	Used
		<b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number				
N702	207	<b>Equipment Number</b>	M	AN	1/10	Must use
		<b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
N703	81	<b>Weight</b>	X	R	1/10	Used
		<b>Description:</b> Numeric value of weight				
N704	187	<b>Weight Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code defining the type of weight				
		<b>All valid standard codes are used. (Total Codes: 51)</b>				
N705	167	<b>Tare Weight</b>	X	N0	3/8	Used
		<b>Description:</b> Weight of the equipment				
N706	232	<b>Weight Allowance</b>	O	N0	2/6	Used
		<b>Description:</b> Allowance made for increased weight due to such factors as snow				
N707	205	<b>Dunnage</b>	O	N0	1/6	Used
		<b>Description:</b> Weight of material used to protect lading (even bracings, false floors, etc.)				
N708	183	<b>Volume</b>	X	R	1/8	Used
		<b>Description:</b> Value of volumetric measure				
N709	184	<b>Volume Unit Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code identifying the volume unit				
		<b>All valid standard codes are used. (Total Codes: 16)</b>				
N710	102	<b>Ownership Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating the relationship of equipment to carrier or ownership of equipment				
		<b>All valid standard codes are used. (Total Codes: 5)</b>				
N711	40	<b>Equipment Description Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying type of equipment used for shipment				
		<b>All valid standard codes are used. (Total Codes: 134)</b>				
N712	140	<b>Standard Carrier Alpha Code</b>	O	ID	2/4	Used
		<b>Description:</b> Standard Carrier Alpha Code				



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N713	319	<b>Temperature Control</b>	O	AN	3/6	Used
		<b>Description:</b> Free-form abbreviation of temperature range or flash-point temperature				
N714	219	<b>Position</b>	O	AN	1/3	Used
		<b>Description:</b> Relative position of shipment in car, trailer, or container (mutually defined)				
N715	567	<b>Equipment Length</b>	O	N0	4/5	Used
		<b>Description:</b> Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)				
N716	571	<b>Tare Qualifier Code</b>	X	ID	1/1	Used
		<b>Description:</b> Code identifying the type of tare				
		<b>All valid standard codes are used. (Total Codes: 2)</b>				
N717	188	<b>Weight Unit Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code specifying the weight unit				
		<b>All valid standard codes are used. (Total Codes: 8)</b>				
N718	761	<b>Equipment Number Check Digit</b>	O	N0	1/1	Used
		<b>Description:</b> Number which designates the check digit applied to a piece of equipment				
N719	56	<b>Type of Service Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying extent of transportation service requested				
		<b>All valid standard codes are used. (Total Codes: 18)</b>				
N720	65	<b>Height</b>	O	R	1/8	Used
		<b>Description:</b> Vertical dimension of an object measured when the object is in the upright position				
N721	189	<b>Width</b>	O	R	1/8	Used
		<b>Description:</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
N722	24	<b>Equipment Type</b>	O	ID	4/4	Used
		<b>Description:</b> Code identifying equipment type				
N723	140	<b>Standard Carrier Alpha Code</b>	O	ID	2/4	Used
		<b>Description:</b> Standard Carrier Alpha Code				
N724	301	<b>Car Type Code</b>	O	ID	1/4	Used
		<b>Description:</b> Code specifying type of rail car or intermodal equipment type and its general characteristics				

### Syntax Rules:

1. P0304 - If either N703 or N704 is present, then the other is required.
2. P0516 - If either N705 or N716 is present, then the other is required.
3. P0809 - If either N708 or N709 is present, then the other is required.

**Semantics:**

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

**Comments:**

1. N701 is mandatory for rail transactions.
2. N720 and N721 are expressed in inches.

# QTY Quantity

Pos: 025	Max: 1
Detail - Optional	
Loop: N7	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify quantity information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
QTY01	673	<b>Quantity Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code specifying the type of quantity <b>All valid standard codes are used. (Total Codes: 832)</b>				
QTY02	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
QTY03	C001	<b>Composite Unit of Measure</b>	O	Comp		Used
		<b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)				
QTY03-01	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
QTY03-02	1018	<b>Exponent</b>	O	R	1/15	Used
		<b>Description:</b> Power to which a unit is raised				
QTY03-03	649	<b>Multiplier</b>	O	R	1/10	Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
QTY03-04	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
QTY03-05	1018	<b>Exponent</b>	O	R	1/15	Used
		<b>Description:</b> Power to which a unit is raised				
QTY03-06	649	<b>Multiplier</b>	O	R	1/10	Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
QTY03-07	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
QTY03-08	1018	<b>Exponent</b>	O	R	1/15	Used
		<b>Description:</b> Power to which a unit is raised				
QTY03-09	649	<b>Multiplier</b>	O	R	1/10	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
QTY03-10	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used. (Total Codes: 794)</b>				
QTY03-11	1018	<b>Exponent</b>	O	R	1/15	Used
		<b>Description:</b> Power to which a unit is raised				
QTY03-12	649	<b>Multiplier</b>	O	R	1/10	Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
QTY03-13	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used. (Total Codes: 794)</b>				
QTY03-14	1018	<b>Exponent</b>	O	R	1/15	Used
		<b>Description:</b> Power to which a unit is raised				
QTY03-15	649	<b>Multiplier</b>	O	R	1/10	Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
QTY04	61	<b>Free-Form Message</b>	X	AN	1/30	Used
		<b>Description:</b> Free-form information				

### Syntax Rules:

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

### Semantics:

1. QTY04 is used when the quantity is non-numeric.

# V4 Cargo Location Reference

Pos: 030	Max: 1
Detail - Optional	
Loop: N7	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify the cargo location on board the vessel

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
V401	877	Vessel Stowage Location	M	AN	1/12	Must use

**Description:** Location of cargo stowed on board an ocean vessel

# N12 Equipment Environment

Pos: 040	Max: 1
Detail - Optional	
Loop: N7	Elements: 2

**User Option (Usage):** Used

**Purpose:** To describe the operating environment of the equipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N1201	829	<b>Fuel Type</b>	M	ID	1/1	Must use
		<b>Description:</b> Code used to identify type of fuel				
		<b>All valid standard codes are used. (Total Codes: 14)</b>				
N1202	C001	<b>Composite Unit of Measure</b>	M	Comp		Must use
		<b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)				
N1202-01	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used. (Total Codes: 794)</b>				
N1202-02	1018	<b>Exponent</b>	O	R	1/15	Used
		<b>Description:</b> Power to which a unit is raised				
N1202-03	649	<b>Multiplier</b>	O	R	1/10	Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
N1202-04	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used. (Total Codes: 794)</b>				
N1202-05	1018	<b>Exponent</b>	O	R	1/15	Used
		<b>Description:</b> Power to which a unit is raised				
N1202-06	649	<b>Multiplier</b>	O	R	1/10	Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
N1202-07	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used. (Total Codes: 794)</b>				
N1202-08	1018	<b>Exponent</b>	O	R	1/15	Used
		<b>Description:</b> Power to which a unit is raised				
N1202-09	649	<b>Multiplier</b>	O	R	1/10	Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
N1202-10	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
N1202-11	1018	<b>Exponent</b>	O	R	1/15	Used
		<b>Description:</b> Power to which a unit is raised				
N1202-12	649	<b>Multiplier</b>	O	R	1/10	Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				
N1202-13	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
N1202-14	1018	<b>Exponent</b>	O	R	1/15	Used
		<b>Description:</b> Power to which a unit is raised				
N1202-15	649	<b>Multiplier</b>	O	R	1/10	Used
		<b>Description:</b> Value to be used as a multiplier to obtain a new value				

# M7 Seal Numbers

Pos: 050	Max: 5
Detail - Optional	
Loop: N7	Elements: 5

**User Option (Usage):** Used

**Purpose:** To record seal numbers used and the organization that applied the seals

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M701	225	Seal Number	M	AN	2/15	Must use
		<b>Description:</b> Unique number on seal used to close a shipment				
M702	225	Seal Number	O	AN	2/15	Used
		<b>Description:</b> Unique number on seal used to close a shipment				
M703	225	Seal Number	O	AN	2/15	Used
		<b>Description:</b> Unique number on seal used to close a shipment				
M704	225	Seal Number	O	AN	2/15	Used
		<b>Description:</b> Unique number on seal used to close a shipment				
M705	98	Entity Identifier Code	O	ID	2/3	Used
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual				
		<b>All valid standard codes are used. (Total Codes: 1312)</b>				

## Comments:

1. M705 indicates the name of the organization which applied the seal(s).



# W09 Equipment and Temperature

Pos: 060	Max: 1
Detail - Optional	
Loop: N7	Elements: 9

**User Option (Usage):** Used

**Purpose:** To relate equipment type and required temperatures

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
W0901	40	<b>Equipment Description Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying type of equipment used for shipment <b>All valid standard codes are used. (Total Codes: 134)</b>				
W0902	408	<b>Temperature</b>	X	R	1/4	Used
		<b>Description:</b> Temperature				
W0903	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
W0904	408	<b>Temperature</b>	X	R	1/4	Used
		<b>Description:</b> Temperature				
W0905	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
W0906	3	<b>Free Form Message</b>	O	AN	1/60	Used
		<b>Description:</b> Free-form text				
W0907	1122	<b>Vent Setting Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code describing the setting on the air vents on ocean-type containers <b>All valid standard codes are used. (Total Codes: 7)</b>				
W0908	488	<b>Percent</b>	O	N0	1/3	Used
		<b>Description:</b> Percent expressed as 0 to 100				
W0909	380	<b>Quantity</b>	O	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				

## Syntax Rules:

1. P0203 - If either W0902 or W0903 is present, then the other is required.
2. P0405 - If either W0904 or W0905 is present, then the other is required.

## Semantics:

1. W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).

2. W0904 is the maximum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0905).
3. W0906 is used to describe the environment required within an ocean-type, refrigerated container when other than normal air is required.
4. W0908 is the humidity percentage.
5. W0909 is the number of air exchanges per hour.

# Loop Rate and Charges

Pos: 070	Repeat: 20
Optional	
Loop: L1	Elements: N/A

**User Option (Usage):** Used

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

## 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>
070	L1	Rate and Charges	O	1		Used
080	C3	Currency	O	1		Used

# L1 Rate and Charges

Pos: 070	Max: 1
Detail - Optional	
Loop: L1	Elements: 21

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L101	213	<b>Lading Line Item Number</b>	O	N0	1/3	Used
		<b>Description:</b> Sequential line number for a lading item				
L102	60	<b>Freight Rate</b>	X	R	1/9	Used
		<b>Description:</b> Rate that applies to the specific commodity				
L103	122	<b>Rate/Value Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code qualifying how to extend charges or interpret value				
		<b>All valid standard codes are used. (Total Codes: 163)</b>				
L104	58	<b>Charge</b>	X	N2	1/12	Used
		<b>Description:</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				
L105	191	<b>Advances</b>	X	N2	1/9	Used
		<b>Description:</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				
L106	117	<b>Prepaid Amount</b>	X	N2	1/9	Used
		<b>Description:</b> Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified				
L107	120	<b>Rate Combination Point Code</b>	O	AN	3/9	Used
		<b>Description:</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				
		<b>All valid standard codes are used. (Total Codes: 4)</b>				
L108	150	<b>Special Charge or Allowance Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code identifying type of special charge or allowance				
		<b>All valid standard codes are used. (Total Codes: 1073)</b>				
L109	121	<b>Rate Class Code</b>	O	ID	1/3	Used
		<b>Description:</b> Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k				
		<b>All valid standard codes are used. (Total Codes: 25)</b>				
L110	39	<b>Entitlement Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code identifying entitlement party				
		<b>All valid standard codes are used. (Total Codes: 8)</b>				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L111	16	<b>Charge Method of Payment</b>	O	ID	1/1	Used
		<b>Description:</b> Code defining method of payment <b>All valid standard codes are used. (Total Codes: 6)</b>				
L112	276	<b>Special Charge Description</b>	O	AN	2/25	Used
		<b>Description:</b> Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150				
L113	257	<b>Tariff Application Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating to which traffic a tariff applies <b>All valid standard codes are used. (Total Codes: 10)</b>				
L114	74	<b>Declared Value</b>	X	N2	2/12	Used
		<b>Description:</b> Monetary assigned value expressed in the standard monetary denomination for the currency specified				
L115	122	<b>Rate/Value Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code qualifying how to extend charges or interpret value <b>All valid standard codes are used. (Total Codes: 163)</b>				
L116	372	<b>Lading Liability Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code identifying limits of liability <b>All valid standard codes are used. (Total Codes: 2)</b>				
L117	220	<b>Billed/Rated-as Quantity</b>	X	R	1/11	Used
		<b>Description:</b> Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81				
L118	221	<b>Billed/Rated-as Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of quantity or value on which the rate or item pricing is based <b>All valid standard codes are used. (Total Codes: 47)</b>				
L119	954	<b>Percent</b>	O	R	1/10	Used
		<b>Description:</b> Percentage expressed as a decimal				
L120	100	<b>Currency Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				
L121	610	<b>Amount</b>	O	N2	1/15	Used
		<b>Description:</b> 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

<b>Pos: 080</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: L1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

**Purpose:** To specify the currency being used in the transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C301	100	<b>Currency Code</b>	M	ID	3/3	Must use
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				
C302	280	<b>Exchange Rate</b>	O	R	4/10	Used
		<b>Description:</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another				
C303	100	<b>Currency Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				
C304	100	<b>Currency Code</b>	O	ID	3/3	Used
		<b>Description:</b> 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.

# L7 Tariff Reference

Pos: 090	Max: 1
Detail - Optional	
Loop: N7	Elements: 16

**User Option (Usage):** Used

**Purpose:** To reference details of the tariff used to arrive at applicable rates or charge

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L701	213	<b>Lading Line Item Number</b>	O	NO	1/3	Used
		<b>Description:</b> Sequential line number for a lading item				
L702	168	<b>Tariff Agency Code</b>	O	ID	1/4	Used
		<b>Description:</b> Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment				
L703	171	<b>Tariff Number</b>	O	AN	1/7	Used
		<b>Description:</b> Standard tariff number for the tariff which governs the rates applied to the commodity item(s)				
L704	172	<b>Tariff Section</b>	O	AN	1/2	Used
		<b>Description:</b> Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff				
L705	169	<b>Tariff Item Number</b>	O	AN	1/16	Used
		<b>Description:</b> Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment				
L706	170	<b>Tariff Item Part</b>	O	NO	1/2	Used
		<b>Description:</b> Number assigned to subsection of a specific tariff item (arbitrary)				
L707	59	<b>Freight Class Code</b>	O	AN	2/5	Used
		<b>Description:</b> Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.				
L708	173	<b>Tariff Supplement Identifier</b>	O	AN	1/4	Used
		<b>Description:</b> Identifier for the tariff supplement which contains the rate used				
L709	46	<b>Ex Parte</b>	O	AN	4/4	Used
		<b>Description:</b> Level of rates as published in the tariff				
L710	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
L711	119	<b>Rate Basis Number</b>	O	AN	1/6	Used
		<b>Description:</b> The (mileage) factor published for rating purposes in the appropriate tariff				
L712	227	<b>Tariff Column</b>	O	AN	1/2	Used
		<b>Description:</b> A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications				
L713	294	<b>Tariff Distance</b>	O	NO	1/5	Used



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Distance on which the rate for a shipment is based				
L714	295	<b>Distance Qualifier</b>	O	ID	1/1	Used
		<b>Description:</b> Code identifying the distance unit <b>All valid standard codes are used. (Total Codes: 9)</b>				
L715	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
L716	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				

**Semantics:**

1. L710 is the effective date.
2. In L715 and L716, "City" and "State" are used for rate combination city and state.

# X1 Export License

Pos: 100	Max: 1
Detail - Optional	
Loop: N7	Elements: 16

**User Option (Usage):** Used

**Purpose:** To transmit information contained on an export license

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
X101	83	<b>Licensing Agency Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code for licensing agency <b>All valid standard codes are used. (Total Codes: 12)</b>				
X102	50	<b>Export License Number</b>	O	AN	6/12	Used
		<b>Description:</b> Government assigned identification number for exporter				
X103	51	<b>Export License Status Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code defining whether the shipment completes the terms of the license, or the shipment is only a partial delivery relative to the license terms <b>All valid standard codes are used. (Total Codes: 2)</b>				
X104	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
X105	52	<b>Export License Symbol Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code which specifies the export symbol marked on a shipment <b>All valid standard codes are used. (Total Codes: 19)</b>				
X106	48	<b>Export License Control Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating the type of control applicable to the export license <b>All valid standard codes are used. (Total Codes: 4)</b>				
X107	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
X108	141	<b>Schedule B Code</b>	O	ID	7/10	Used
		<b>Description:</b> Code identifying commodity number established for international statistical purposes				
X109	210	<b>International/Domestic Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating international or domestic shipment <b>All valid standard codes are used. (Total Codes: 2)</b>				
X110	80	<b>Lading Quantity</b>	O	N0	1/7	Used
		<b>Description:</b> Number of units (pieces) of the lading commodity				
X111	148	<b>Lading Value</b>	O	R	2/9	Used
		<b>Description:</b> Value of shipment for export, expressed in the standard monetary denomination for the currency specified				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
X112	47	<b>Export Filing Key Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating the type of communications with customs <b>All valid standard codes are used. (Total Codes: 2)</b>				
X113	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
X114	212	<b>Unit Price</b>	O	R	1/17	Used
		<b>Description:</b> Price per unit of product, service, commodity, etc.				
X115	1306	<b>U.S. Government License Type</b>	O	AN	1/1	Used
		<b>Description:</b> Code to identify the type of government license involved				
X116	67	<b>Identification Code</b>	O	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				

**Semantics:**

1. X104 is the export license expiration date.
2. X116 is the export classification code number (ECCN).

# X2 Import License

Pos: 110	Max: 1
Detail - Optional	
Loop: N7	Elements: 6

**User Option (Usage):** Used

**Purpose:** To transmit import license number and effective dates

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
X201	70	<b>Import License Number</b>	M	AN	6/30	Must use
		<b>Description:</b> Government assigned identification number for importer of foreign shipments				
X202	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
X203	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
X204	70	<b>Import License Number</b>	X	AN	6/30	Used
		<b>Description:</b> Government assigned identification number for importer of foreign shipments				
X205	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
X206	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				

## Syntax Rules:

1. C0504 - If X205 is present, then X204 is required.
2. C0604 - If X206 is present, then X204 is required.

## Semantics:

1. X202 is the date the import license was issued.
2. X203 is the date the import license expires.
3. X205 is the date the import license was issued.
4. X206 is the date the import license expires.

## Comments:

1. X204 through X206 are used to transmit letter of credit amendment or addendum information.

# N9 Reference Identification

Pos: 120	Max: 3
Detail - Optional	
Loop: N7	Elements: 7

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>				
N902	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N903	369	<b>Free-form Description</b>	X	AN	1/45	Used
		<b>Description:</b> Free-form descriptive text				
N904	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
N905	337	<b>Time</b>	X	TM	4/8	Used
		<b>Description:</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)				
N906	623	<b>Time Code</b>	O	ID	2/2	Used
		<b>Description:</b> 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 <b>All valid standard codes are used. (Total Codes: 51)</b>				
N907	C040	<b>Reference Identifier</b>	O	Comp		Used
		<b>Description:</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
N907-01	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>				
N907-02	127	<b>Reference Identification</b>	M	AN	1/30	Must use
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-03	128	<b>Reference Identification Qualifier</b>	X	ID	2/3	Used
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N907-04	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N907-05	128	<b>Reference Identification Qualifier</b>	X	ID	2/3	Used
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>				
N907-06	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> 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.

# Loop Hazardous Material

Pos: 130	Repeat: 10
Optional	
Loop: H1	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify information relative to hazardous material

## 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>
130	H1	Hazardous Material	O	1		Used
140	H2	Additional Hazardous Material Description	O	10		Used

# H1 Hazardous Material

Pos: 130	Max: 1
Detail - Optional	
Loop: H1	Elements: 9

**User Option (Usage):** Used

**Purpose:** To specify information relative to hazardous material

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H101	62	<b>Hazardous Material Code</b>	M	AN	4/10	Must use
		<b>Description:</b> Code relating to hazardous material code qualifier for regulated hazardous materials				
H102	209	<b>Hazardous Material Class Code</b>	O	AN	1/4	Used
		<b>Description:</b> Code specifying the kind of hazard for a material				
H103	208	<b>Hazardous Material Code Qualifier</b>	O	ID	1/1	Used
		<b>Description:</b> Code which qualifies the Hazardous Material Class Code (209)				
		<b>All valid standard codes are used. (Total Codes: 13)</b>				
H104	64	<b>Hazardous Material Description</b>	O	AN	2/30	Used
		<b>Description:</b> Material name, special instructions, and phone number if any				
H105	63	<b>Hazardous Material Contact</b>	O	AN	1/24	Used
		<b>Description:</b> Phone number and name of person or department to contact in case of emergency				
H106	200	<b>Hazardous Materials Page</b>	O	AN	1/6	Used
		<b>Description:</b> The United Nations page number as required for the international transport of hazardous materials				
H107	77	<b>Flashpoint Temperature</b>	X	N	1/3	Used
		<b>Description:</b> The flashpoint temperature for hazardous material				
H108	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used. (Total Codes: 794)</b>				
H109	254	<b>Packing Group Code</b>	O	ID	1/3	Used
		<b>Description:</b> Code indicating degree of danger in terms of Roman number I, II or III				

## Syntax Rules:

1. P0708 - If either H107 or H108 is present, then the other is required.

## Comments:

1. This segment is required when the shipment contains hazardous material.
2. H107 is the lowest temperature for hazardous materials.



# H2 Additional Hazardous Material Description

Pos: 140	Max: 10
Detail - Optional	
Loop: H1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H201	64	<b>Hazardous Material Description</b>	M	AN	2/30	Must use
<b>Description:</b> Material name, special instructions, and phone number if any						
H202	274	<b>Hazardous Material Classification</b>	O	AN	1/30	Used
<b>Description:</b> Free-form description of hazardous material classification or division or label requirements						

# Loop Line Item - Quantity and Weight

Pos: 150      Repeat: 120  
 Optional  
 Loop: L0      Elements: N/A

**User Option (Usage):** Used

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

## 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>
150	L0	Line Item - Quantity and Weight	O	1		Used
160	L5	Description, Marks and Numbers	O	999		Used
170		Loop L1	O		20	Used
190	L7	Tariff Reference	O	1		Used
200	X1	Export License	O	1		Used
210	X2	Import License	O	1		Used
220		Loop C8	O		20	Used
230		Loop H1	O		10	Used

# L0 Line Item - Quantity and Weight

Pos: 150	Max: 1
Detail - Optional	
Loop: L0	Elements: 15

User Option (Usage): Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L001	213	Lading Line Item Number	O	N0	1/3	Used
		<b>Description:</b> Sequential line number for a lading item				
L002	220	Billed/Rated-as Quantity	X	R	1/11	Used
		<b>Description:</b> 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	Used
		<b>Description:</b> Code identifying the type of quantity or value on which the rate or item pricing is based				
		<b>All valid standard codes are used. (Total Codes: 47)</b>				
L004	81	Weight	X	R	1/10	Used
		<b>Description:</b> Numeric value of weight				
L005	187	Weight Qualifier	X	ID	1/2	Used
		<b>Description:</b> Code defining the type of weight				
		<b>All valid standard codes are used. (Total Codes: 51)</b>				
L006	183	Volume	X	R	1/8	Used
		<b>Description:</b> Value of volumetric measure				
L007	184	Volume Unit Qualifier	X	ID	1/1	Used
		<b>Description:</b> Code identifying the volume unit				
		<b>All valid standard codes are used. (Total Codes: 16)</b>				
L008	80	Lading Quantity	X	N0	1/7	Used
		<b>Description:</b> Number of units (pieces) of the lading commodity				
L009	211	Packaging Form Code	X	ID	3/3	Used
		<b>Description:</b> Code for packaging form of the lading quantity				
		<b>All valid standard codes are used. (Total Codes: 134)</b>				
L010	458	Dunnage Description	O	AN	2/25	Used
		<b>Description:</b> Material used to protect lading				
L011	188	Weight Unit Code	O	ID	1/1	Used
		<b>Description:</b> Code specifying the weight unit				
		<b>All valid standard codes are used. (Total Codes: 8)</b>				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L012	56	<b>Type of Service Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying extent of transportation service requested <b>All valid standard codes are used. (Total Codes: 18)</b>				
L013	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
L014	211	<b>Packaging Form Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code for packaging form of the lading quantity <b>All valid standard codes are used. (Total Codes: 134)</b>				
L015	1073	<b>Yes/No Condition or Response Code</b>	X	ID	1/1	Used
		<b>Description:</b> Code indicating a Yes or No condition or response <b>All valid standard codes are used. (Total Codes: 4)</b>				

### 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.

# L5 Description, Marks and Numbers

Pos: 160	Max: 999
Detail - Optional	
Loop: L0	Elements: 10

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L501	213	<b>Lading Line Item Number</b>	O	NO	1/3	Used
		<b>Description:</b> Sequential line number for a lading item				
L502	79	<b>Lading Description</b>	O	AN	1/50	Used
		<b>Description:</b> Description of an item as required for rating and billing purposes				
L503	22	<b>Commodity Code</b>	X	AN	1/30	Used
		<b>Description:</b> Code describing a commodity or group of commodities				
L504	23	<b>Commodity Code Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code identifying the commodity coding system used for Commodity Code <b>All valid standard codes are used. (Total Codes: 23)</b>				
L505	103	<b>Packaging Code</b>	O	AN	3/5	Used
		<b>Description:</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 <b>All valid standard codes are used. (Total Codes: 203)</b>				
L506	87	<b>Marks and Numbers</b>	X	AN	1/48	Used
		<b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment				
L507	88	<b>Marks and Numbers Qualifier</b>	O	ID	1/2	Used
		<b>Description:</b> Code specifying the application or source of Marks and Numbers (87) <b>All valid standard codes are used. (Total Codes: 20)</b>				
L508	23	<b>Commodity Code Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code identifying the commodity coding system used for Commodity Code <b>All valid standard codes are used. (Total Codes: 23)</b>				
L509	22	<b>Commodity Code</b>	X	AN	1/30	Used
		<b>Description:</b> Code describing a commodity or group of commodities				
L510	595	<b>Compartment ID Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code identifying the compartment in a compartmentalized tank car <b>All valid standard codes are used. (Total Codes: 6)</b>				

## 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.

# Loop Rate and Charges

Pos: 170	Repeat: 20
Optional	
Loop: L1	Elements: N/A

**User Option (Usage):** Used

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

## 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>
170	L1	Rate and Charges	O	1		Used
180	C3	Currency	O	1		Used

# L1 Rate and Charges

Pos: 170                      Max: 1  
 Detail - Optional  
 Loop: L1                    Elements: 21

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L101	213	<b>Lading Line Item Number</b>	O	N0	1/3	Used
		<b>Description:</b> Sequential line number for a lading item				
L102	60	<b>Freight Rate</b>	X	R	1/9	Used
		<b>Description:</b> Rate that applies to the specific commodity				
L103	122	<b>Rate/Value Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code qualifying how to extend charges or interpret value				
		<b>All valid standard codes are used. (Total Codes: 163)</b>				
L104	58	<b>Charge</b>	X	N2	1/12	Used
		<b>Description:</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				
L105	191	<b>Advances</b>	X	N2	1/9	Used
		<b>Description:</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				
L106	117	<b>Prepaid Amount</b>	X	N2	1/9	Used
		<b>Description:</b> Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified				
L107	120	<b>Rate Combination Point Code</b>	O	AN	3/9	Used
		<b>Description:</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				
		<b>All valid standard codes are used. (Total Codes: 4)</b>				
L108	150	<b>Special Charge or Allowance Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code identifying type of special charge or allowance				
		<b>All valid standard codes are used. (Total Codes: 1073)</b>				
L109	121	<b>Rate Class Code</b>	O	ID	1/3	Used
		<b>Description:</b> Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k				
		<b>All valid standard codes are used. (Total Codes: 25)</b>				
L110	39	<b>Entitlement Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code identifying entitlement party				
		<b>All valid standard codes are used. (Total Codes: 8)</b>				



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L111	16	<b>Charge Method of Payment</b>	O	ID	1/1	Used
		<b>Description:</b> Code defining method of payment <b>All valid standard codes are used. (Total Codes: 6)</b>				
L112	276	<b>Special Charge Description</b>	O	AN	2/25	Used
		<b>Description:</b> Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150				
L113	257	<b>Tariff Application Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating to which traffic a tariff applies <b>All valid standard codes are used. (Total Codes: 10)</b>				
L114	74	<b>Declared Value</b>	X	N2	2/12	Used
		<b>Description:</b> Monetary assigned value expressed in the standard monetary denomination for the currency specified				
L115	122	<b>Rate/Value Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code qualifying how to extend charges or interpret value <b>All valid standard codes are used. (Total Codes: 163)</b>				
L116	372	<b>Lading Liability Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code identifying limits of liability <b>All valid standard codes are used. (Total Codes: 2)</b>				
L117	220	<b>Billed/Rated-as Quantity</b>	X	R	1/11	Used
		<b>Description:</b> Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81				
L118	221	<b>Billed/Rated-as Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of quantity or value on which the rate or item pricing is based <b>All valid standard codes are used. (Total Codes: 47)</b>				
L119	954	<b>Percent</b>	O	R	1/10	Used
		<b>Description:</b> Percentage expressed as a decimal				
L120	100	<b>Currency Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				
L121	610	<b>Amount</b>	O	N2	1/15	Used
		<b>Description:</b> 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

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

**User Option (Usage):** Used

**Purpose:** To specify the currency being used in the transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C301	100	<b>Currency Code</b>	M	ID	3/3	Must use
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				
C302	280	<b>Exchange Rate</b>	O	R	4/10	Used
		<b>Description:</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another				
C303	100	<b>Currency Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				
C304	100	<b>Currency Code</b>	O	ID	3/3	Used
		<b>Description:</b> 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.

# L7 Tariff Reference

Pos: 190	Max: 1
Detail - Optional	
Loop: L0	Elements: 16

**User Option (Usage):** Used

**Purpose:** To reference details of the tariff used to arrive at applicable rates or charge

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L701	213	<b>Lading Line Item Number</b>	O	NO	1/3	Used
		<b>Description:</b> Sequential line number for a lading item				
L702	168	<b>Tariff Agency Code</b>	O	ID	1/4	Used
		<b>Description:</b> Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment				
L703	171	<b>Tariff Number</b>	O	AN	1/7	Used
		<b>Description:</b> Standard tariff number for the tariff which governs the rates applied to the commodity item(s)				
L704	172	<b>Tariff Section</b>	O	AN	1/2	Used
		<b>Description:</b> Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff				
L705	169	<b>Tariff Item Number</b>	O	AN	1/16	Used
		<b>Description:</b> Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment				
L706	170	<b>Tariff Item Part</b>	O	NO	1/2	Used
		<b>Description:</b> Number assigned to subsection of a specific tariff item (arbitrary)				
L707	59	<b>Freight Class Code</b>	O	AN	2/5	Used
		<b>Description:</b> Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.				
L708	173	<b>Tariff Supplement Identifier</b>	O	AN	1/4	Used
		<b>Description:</b> Identifier for the tariff supplement which contains the rate used				
L709	46	<b>Ex Parte</b>	O	AN	4/4	Used
		<b>Description:</b> Level of rates as published in the tariff				
L710	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
L711	119	<b>Rate Basis Number</b>	O	AN	1/6	Used
		<b>Description:</b> The (mileage) factor published for rating purposes in the appropriate tariff				
L712	227	<b>Tariff Column</b>	O	AN	1/2	Used
		<b>Description:</b> A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications				
L713	294	<b>Tariff Distance</b>	O	NO	1/5	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Distance on which the rate for a shipment is based				
L714	295	<b>Distance Qualifier</b>	O	ID	1/1	Used
		<b>Description:</b> Code identifying the distance unit <b>All valid standard codes are used. (Total Codes: 9)</b>				
L715	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
L716	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				

**Semantics:**

1. L710 is the effective date.
2. In L715 and L716, "City" and "State" are used for rate combination city and state.

# X1 Export License

Pos: 200	Max: 1
Detail - Optional	
Loop: L0	Elements: 16

**User Option (Usage):** Used

**Purpose:** To transmit information contained on an export license

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
X101	83	<b>Licensing Agency Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code for licensing agency <b>All valid standard codes are used. (Total Codes: 12)</b>				
X102	50	<b>Export License Number</b>	O	AN	6/12	Used
		<b>Description:</b> Government assigned identification number for exporter				
X103	51	<b>Export License Status Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code defining whether the shipment completes the terms of the license, or the shipment is only a partial delivery relative to the license terms <b>All valid standard codes are used. (Total Codes: 2)</b>				
X104	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
X105	52	<b>Export License Symbol Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code which specifies the export symbol marked on a shipment <b>All valid standard codes are used. (Total Codes: 19)</b>				
X106	48	<b>Export License Control Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating the type of control applicable to the export license <b>All valid standard codes are used. (Total Codes: 4)</b>				
X107	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
X108	141	<b>Schedule B Code</b>	O	ID	7/10	Used
		<b>Description:</b> Code identifying commodity number established for international statistical purposes				
X109	210	<b>International/Domestic Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating international or domestic shipment <b>All valid standard codes are used. (Total Codes: 2)</b>				
X110	80	<b>Lading Quantity</b>	O	N0	1/7	Used
		<b>Description:</b> Number of units (pieces) of the lading commodity				
X111	148	<b>Lading Value</b>	O	R	2/9	Used
		<b>Description:</b> Value of shipment for export, expressed in the standard monetary denomination for the currency specified				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
X112	47	<b>Export Filing Key Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating the type of communications with customs <b>All valid standard codes are used. (Total Codes: 2)</b>				
X113	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used. (Total Codes: 794)</b>				
X114	212	<b>Unit Price</b>	O	R	1/17	Used
		<b>Description:</b> Price per unit of product, service, commodity, etc.				
X115	1306	<b>U.S. Government License Type</b>	O	AN	1/1	Used
		<b>Description:</b> Code to identify the type of government license involved				
X116	67	<b>Identification Code</b>	O	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				

**Semantics:**

1. X104 is the export license expiration date.
2. X116 is the export classification code number (ECCN).

# X2 Import License

Pos: 210	Max: 1
Detail - Optional	
Loop: L0	Elements: 6

**User Option (Usage):** Used

**Purpose:** To transmit import license number and effective dates

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
X201	70	<b>Import License Number</b>	M	AN	6/30	Must use
		<b>Description:</b> Government assigned identification number for importer of foreign shipments				
X202	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
X203	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
X204	70	<b>Import License Number</b>	X	AN	6/30	Used
		<b>Description:</b> Government assigned identification number for importer of foreign shipments				
X205	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
X206	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				

## Syntax Rules:

1. C0504 - If X205 is present, then X204 is required.
2. C0604 - If X206 is present, then X204 is required.

## Semantics:

1. X202 is the date the import license was issued.
2. X203 is the date the import license expires.
3. X205 is the date the import license was issued.
4. X206 is the date the import license expires.

## Comments:

1. X204 through X206 are used to transmit letter of credit amendment or addendum information.



# Loop Certifications and Clauses

Pos: 220	Repeat: 20
Optional	
Loop: C8	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify applicable certifications and clauses

## 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>
220	C8	Certifications and Clauses	O	1		Used
221	C8C	Certifications Clauses Continuation	O	5		Used

# C8 Certifications and Clauses

Pos: 220	Max: 1
Detail - Optional	
Loop: C8	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify applicable certifications and clauses

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C801	213	<b>Lading Line Item Number</b>	O	N0	1/3	Used
		<b>Description:</b> Sequential line number for a lading item				
C802	246	<b>Certification/Clause Code</b>	X	ID	2/4	Used
		<b>Description:</b> Code identifying certification/clause information				
		<b>All valid standard codes are used. (Total Codes: 59)</b>				
C803	247	<b>Certification/Clause Text</b>	X	AN	2/60	Used
		<b>Description:</b> Free-form description of commercial invoice certification/clause				
C804	1302	<b>Shipper's Export Declaration Requirements</b>	O	AN	1/2	Used
		<b>Description:</b> Code identifying which Shipper's Export Declaration (SED) requirements are being met				

## Syntax Rules:

1. R0302 - At least one of C803 or C802 is required.

# C8C Certifications Clauses Continuation

Pos: 221	Max: 5
Detail - Optional	
Loop: C8	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify additional applicable certifications and clauses

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C8C01	247	Certification/Clause Text	M	AN	2/60	Must use
		<b>Description:</b> Free-form description of commercial invoice certification/clause				
C8C02	247	Certification/Clause Text	O	AN	2/60	Used
		<b>Description:</b> Free-form description of commercial invoice certification/clause				
C8C03	247	Certification/Clause Text	O	AN	2/60	Used
		<b>Description:</b> Free-form description of commercial invoice certification/clause				

# Loop Hazardous Material

Pos: 230	Repeat: 10
Optional	
Loop: H1	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify information relative to hazardous material

## 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>
230	H1	Hazardous Material	O	1		Used
240	H2	Additional Hazardous Material Description	O	10		Used

# H1 Hazardous Material

<b>Pos: 230</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: H1</b>	<b>Elements: 9</b>

**User Option (Usage):** Used

**Purpose:** To specify information relative to hazardous material

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H101	62	<b>Hazardous Material Code</b>	M	AN	4/10	Must use
		<b>Description:</b> Code relating to hazardous material code qualifier for regulated hazardous materials				
H102	209	<b>Hazardous Material Class Code</b>	O	AN	1/4	Used
		<b>Description:</b> Code specifying the kind of hazard for a material				
H103	208	<b>Hazardous Material Code Qualifier</b>	O	ID	1/1	Used
		<b>Description:</b> Code which qualifies the Hazardous Material Class Code (209)				
		<b>All valid standard codes are used. (Total Codes: 13)</b>				
H104	64	<b>Hazardous Material Description</b>	O	AN	2/30	Used
		<b>Description:</b> Material name, special instructions, and phone number if any				
H105	63	<b>Hazardous Material Contact</b>	O	AN	1/24	Used
		<b>Description:</b> Phone number and name of person or department to contact in case of emergency				
H106	200	<b>Hazardous Materials Page</b>	O	AN	1/6	Used
		<b>Description:</b> The United Nations page number as required for the international transport of hazardous materials				
H107	77	<b>Flashpoint Temperature</b>	X	N	1/3	Used
		<b>Description:</b> The flashpoint temperature for hazardous material				
H108	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>All valid standard codes are used. (Total Codes: 794)</b>				
H109	254	<b>Packing Group Code</b>	O	ID	1/3	Used
		<b>Description:</b> Code indicating degree of danger in terms of Roman number I, II or III				

## Syntax Rules:

1. P0708 - If either H107 or H108 is present, then the other is required.

## Comments:

1. This segment is required when the shipment contains hazardous material.
2. H107 is the lowest temperature for hazardous materials.

# H2 Additional Hazardous Material Description

Pos: 240	Max: 10
Detail - Optional	
Loop: H1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
H201	64	<b>Hazardous Material Description</b>	M	AN	2/30	Must use

**Description:** Material name, special instructions, and phone number if any

H202	274	<b>Hazardous Material Classification</b>	O	AN	1/30	Used
------	-----	--	---	----	------	------

**Description:** Free-form description of hazardous material classification or division or label requirements

# L3 Total Weight and Charges

Pos: 010                      Max: 1  
 Summary - Mandatory  
 Loop: N/A                  Elements: 15

**User Option (Usage):** Must use

**Purpose:** 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L301	81	<b>Weight</b>	X	R	1/10	Used
		<b>Description:</b> Numeric value of weight				
L302	187	<b>Weight Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code defining the type of weight				
		<b>All valid standard codes are used. (Total Codes: 51)</b>				
L303	60	<b>Freight Rate</b>	X	R	1/9	Used
		<b>Description:</b> Rate that applies to the specific commodity				
L304	122	<b>Rate/Value Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code qualifying how to extend charges or interpret value				
		<b>All valid standard codes are used. (Total Codes: 163)</b>				
L305	58	<b>Charge</b>	O	N2	1/12	Used
		<b>Description:</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				
L306	191	<b>Advances</b>	O	N2	1/9	Used
		<b>Description:</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				
L307	117	<b>Prepaid Amount</b>	O	N2	1/9	Used
		<b>Description:</b> Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified				
L308	150	<b>Special Charge or Allowance Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code identifying type of special charge or allowance				
		<b>All valid standard codes are used. (Total Codes: 1073)</b>				
L309	183	<b>Volume</b>	X	R	1/8	Used
		<b>Description:</b> Value of volumetric measure				
L310	184	<b>Volume Unit Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code identifying the volume unit				
		<b>All valid standard codes are used. (Total Codes: 16)</b>				
L311	80	<b>Lading Quantity</b>	O	N0	1/7	Used
		<b>Description:</b> Number of units (pieces) of the lading commodity				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L312	188	<b>Weight Unit Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code specifying the weight unit <b>All valid standard codes are used. (Total Codes: 8)</b>				
L313	171	<b>Tariff Number</b>	O	AN	1/7	Used
		<b>Description:</b> Standard tariff number for the tariff which governs the rates applied to the commodity item(s)				
L314	74	<b>Declared Value</b>	X	N2	2/12	Used
		<b>Description:</b> Monetary assigned value expressed in the standard monetary denomination for the currency specified				
L315	122	<b>Rate/Value Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code qualifying how to extend charges or interpret value <b>All valid standard codes are used. (Total Codes: 163)</b>				

### 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.



# PWK Paperwork

Pos: 020	Max: 25
Summary - Optional	
Loop: N/A	Elements: 9

**User Option (Usage):** Used

**Purpose:** To identify the type or transmission or both of paperwork or supporting information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PWK01	755	<b>Report Type Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code indicating the title or contents of a document, report or supporting item <b>All valid standard codes are used. (Total Codes: 522)</b>				
PWK02	756	<b>Report Transmission Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code defining timing, transmission method or format by which reports are to be sent <b>All valid standard codes are used. (Total Codes: 51)</b>				
PWK03	757	<b>Report Copies Needed</b>	O	N0	1/2	Used
		<b>Description:</b> The number of copies of a report that should be sent to the addressee				
PWK04	98	<b>Entity Identifier Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <b>All valid standard codes are used. (Total Codes: 1312)</b>				
PWK05	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67) <b>All valid standard codes are used. (Total Codes: 215)</b>				
PWK06	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
PWK07	352	<b>Description</b>	O	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
PWK08	C002	<b>Actions Indicated</b>	O	Comp		Used
		<b>Description:</b> Actions to be performed on the piece of paperwork identified				
PWK08-01	704	<b>Paperwork/Report Action Code</b>	M	ID	1/2	Must use
		<b>Description:</b> Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required <b>All valid standard codes are used. (Total Codes: 14)</b>				
PWK08-02	704	<b>Paperwork/Report Action Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required <b>All valid standard codes are used. (Total Codes: 14)</b>				
PWK08-03	704	<b>Paperwork/Report Action Code</b>	O	ID	1/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required <b>All valid standard codes are used. (Total Codes: 14)</b>				
PWK08-04	704	<b>Paperwork/Report Action Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required <b>All valid standard codes are used. (Total Codes: 14)</b>				
PWK08-05	704	<b>Paperwork/Report Action Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required <b>All valid standard codes are used. (Total Codes: 14)</b>				
PWK09	1525	<b>Request Category Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code indicating a type of request <b>All valid standard codes are used. (Total Codes: 7)</b>				

### Syntax Rules:

1. P0506 - If either PWK05 or PWK06 is present, then the other is required.

### Comments:

1. PWK05 and PWK06 may be used to identify the addressee by a code number.
2. PWK07 may be used to indicate special information to be shown on the specified report.
3. PWK08 may be used to indicate action pertaining to a report.

# Loop Rate and Charges

Pos: 030	Repeat: 20
Optional	
Loop: L1	Elements: N/A

**User Option (Usage):** Used

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

## 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>
030	L1	Rate and Charges	O	1		Used
040	C3	Currency	O	1		Used

# L1 Rate and Charges

Pos: 030                      Max: 1  
 Summary - Optional  
 Loop: L1                      Elements: 21

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L101	213	<b>Lading Line Item Number</b>	O	N0	1/3	Used
		<b>Description:</b> Sequential line number for a lading item				
L102	60	<b>Freight Rate</b>	X	R	1/9	Used
		<b>Description:</b> Rate that applies to the specific commodity				
L103	122	<b>Rate/Value Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code qualifying how to extend charges or interpret value				
		<b>All valid standard codes are used. (Total Codes: 163)</b>				
L104	58	<b>Charge</b>	X	N2	1/12	Used
		<b>Description:</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				
L105	191	<b>Advances</b>	X	N2	1/9	Used
		<b>Description:</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				
L106	117	<b>Prepaid Amount</b>	X	N2	1/9	Used
		<b>Description:</b> Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified				
L107	120	<b>Rate Combination Point Code</b>	O	AN	3/9	Used
		<b>Description:</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				
		<b>All valid standard codes are used. (Total Codes: 4)</b>				
L108	150	<b>Special Charge or Allowance Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code identifying type of special charge or allowance				
		<b>All valid standard codes are used. (Total Codes: 1073)</b>				
L109	121	<b>Rate Class Code</b>	O	ID	1/3	Used
		<b>Description:</b> Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k				
		<b>All valid standard codes are used. (Total Codes: 25)</b>				
L110	39	<b>Entitlement Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code identifying entitlement party				
		<b>All valid standard codes are used. (Total Codes: 8)</b>				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L111	16	<b>Charge Method of Payment</b>	O	ID	1/1	Used
		<b>Description:</b> Code defining method of payment <b>All valid standard codes are used. (Total Codes: 6)</b>				
L112	276	<b>Special Charge Description</b>	O	AN	2/25	Used
		<b>Description:</b> Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150				
L113	257	<b>Tariff Application Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code indicating to which traffic a tariff applies <b>All valid standard codes are used. (Total Codes: 10)</b>				
L114	74	<b>Declared Value</b>	X	N2	2/12	Used
		<b>Description:</b> Monetary assigned value expressed in the standard monetary denomination for the currency specified				
L115	122	<b>Rate/Value Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code qualifying how to extend charges or interpret value <b>All valid standard codes are used. (Total Codes: 163)</b>				
L116	372	<b>Lading Liability Code</b>	O	ID	1/1	Used
		<b>Description:</b> Code identifying limits of liability <b>All valid standard codes are used. (Total Codes: 2)</b>				
L117	220	<b>Billed/Rated-as Quantity</b>	X	R	1/11	Used
		<b>Description:</b> Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81				
L118	221	<b>Billed/Rated-as Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of quantity or value on which the rate or item pricing is based <b>All valid standard codes are used. (Total Codes: 47)</b>				
L119	954	<b>Percent</b>	O	R	1/10	Used
		<b>Description:</b> Percentage expressed as a decimal				
L120	100	<b>Currency Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				
L121	610	<b>Amount</b>	O	N2	1/15	Used
		<b>Description:</b> 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

Pos: 040	Max: 1
Summary - Optional	
Loop: L1	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify the currency being used in the transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C301	100	<b>Currency Code</b>	M	ID	3/3	Must use
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				
C302	280	<b>Exchange Rate</b>	O	R	4/10	Used
		<b>Description:</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another				
C303	100	<b>Currency Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified				
C304	100	<b>Currency Code</b>	O	ID	3/3	Used
		<b>Description:</b> 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.

# V9 Event Detail

<b>Pos: 050</b>	<b>Max: 10</b>
<b>Summary - Optional</b>	
<b>Loop: N/A</b>	<b>Elements: 20</b>

**User Option (Usage):** Used

**Purpose:** To specify information about a specific event

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
V901	304	<b>Event Code</b>	M	ID	3/3	Must use
		<b>Description:</b> Code identifying the event about which a report is made <b>All valid standard codes are used. (Total Codes: 104)</b>				
V902	106	<b>Event</b>	O	AN	1/25	Used
		<b>Description:</b> Free-form description of event				
V903	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
V904	337	<b>Time</b>	X	TM	4/8	Used
		<b>Description:</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)				
V905	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
V906	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
V907	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
V908	641	<b>Status Reason Code</b>	O	ID	3/3	Used
		<b>Description:</b> Code indicating the status reason <b>All valid standard codes are used. (Total Codes: 387)</b>				
V909	154	<b>Standard Point Location Code</b>	X	ID	6/9	Used
		<b>Description:</b> 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				
V910	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
V911	1274	<b>Train Delay Reason Code</b>	X	AN	2/2	Used
		<b>Description:</b> Code specifying reason for train delay				
V912	61	<b>Free-Form Message</b>	O	AN	1/30	Used
		<b>Description:</b> Free-form information				



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
V913	623	<b>Time Code</b>	O	ID	2/2	Used
		<b>Description:</b> 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				
		<b>All valid standard codes are used. (Total Codes: 51)</b>				
V914	380	<b>Quantity</b>	O	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
V915	154	<b>Standard Point Location Code</b>	O	ID	6/9	Used
		<b>Description:</b> 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				
V916	86	<b>Total Equipment</b>	O	N0	1/3	Used
		<b>Description:</b> Total pieces of equipment				
V917	86	<b>Total Equipment</b>	O	N0	1/3	Used
		<b>Description:</b> Total pieces of equipment				
V918	86	<b>Total Equipment</b>	O	N0	1/3	Used
		<b>Description:</b> Total pieces of equipment				
V919	81	<b>Weight</b>	O	R	1/10	Used
		<b>Description:</b> Numeric value of weight				
V920	82	<b>Length</b>	O	R	1/8	Used
		<b>Description:</b> 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.

# C8 Certifications and Clauses

Pos: 055	Max: 20
Summary - Optional	
Loop: N/A	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify applicable certifications and clauses

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C801	213	<b>Lading Line Item Number</b>	O	N0	1/3	Used
		<b>Description:</b> Sequential line number for a lading item				
C802	246	<b>Certification/Clause Code</b>	X	ID	2/4	Used
		<b>Description:</b> Code identifying certification/clause information				
		<b>All valid standard codes are used. (Total Codes: 59)</b>				
C803	247	<b>Certification/Clause Text</b>	X	AN	2/60	Used
		<b>Description:</b> Free-form description of commercial invoice certification/clause				
C804	1302	<b>Shipper's Export Declaration Requirements</b>	O	AN	1/2	Used
		<b>Description:</b> Code identifying which Shipper's Export Declaration (SED) requirements are being met				

## Syntax Rules:

1. R0302 - At least one of C803 or C802 is required.

# K1 Remarks

Pos: 060	Max: 999
Summary - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit information in a free-form format for comment or special instruction

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
K101	61	<b>Free-Form Message</b>	M	AN	1/30	Must use
		<b>Description:</b> Free-form information				
K102	61	<b>Free-Form Message</b>	O	AN	1/30	Used
		<b>Description:</b> Free-form information				

# L11 Business Instructions and Reference Number

Pos: 070	Max: 1
Summary - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify instructions in this business relationship or a reference number

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
L1102	128	<b>Reference Identification Qualifier</b>	X	ID	2/3	Used
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>				
L1103	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				

## Syntax Rules:

1. R0103 - At least one of L1101 or L1103 is required.
2. P0102 - If either L1101 or L1102 is present, then the other is required.

# SE Transaction Set Trailer

Pos: 080	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**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)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Must use
<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments						
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
<b>Description:</b> 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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use
		<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use
		<b>Description:</b> 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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	<b>Number of Included Functional Groups</b>	M	N0	1/5	Must use
<b>Description:</b> A count of the number of functional groups included in an interchange						
IEA02	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
<b>Description:</b> A control number assigned by the interchange sender						