

# **323 Sailing Schedule Implementation Guide for Customers**

**Version: 2.0**

**Company:**

**CargoSmart Limited**

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# 323 Vessel Schedule and Itinerary (Ocean)

## Functional Group=SO

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Vessel Schedule and Itinerary (Ocean) Transaction Set (323) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide all the information necessary for an ocean carrier to communicate the schedule and itinerary of an ocean vessel to interested parties.

### 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>	<u>Page</u>
	ISA	Interchange Control Header	M	1			Must use	3
	GS	Functional Group Header	M	1			Must use	6

### 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>	<u>Page</u>
010	ST	Transaction Set Header	M	1			Must use	8
020	V1	Vessel Identification	M	1			Must use	9
030	K1	Remarks	O	2			Used	11
<b>LOOP ID - R4</b>					<b>999</b>			12
040	R4	Port or Terminal	M	1			Must use	13
* 050	DTM	Date/Time Reference	O	15			Not Used	N/A
060	V9	Event Detail	M	5			Must use	15
070	SE	Transaction Set Trailer	M	1			Must use	17

### 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>	<u>Page</u>
	GE	Functional Group Trailer	M	1			Must use	18
	IEA	Interchange Control Trailer	M	1			Must use	19

### Conventions Used in this Implementation Guideline:

1. The segment hierarchy lists all the segments of ASC X 12 standard. Segments which are not used by CargoSmart are indicated with \* sign. You may send these segments, but CS will not use them.
2. A detailed description of each segment is listed with the segment ID and name, level (header, detail, or summary), loop (if the segment is contained within a loop), loop repeat (for the first segment in the loop), requirement within the transaction set (as required by CS), maximum use, purpose (as defined by ASC X12), ASC X12 syntax notes, ASC X12 comments for segment usage, notes that explain CS convention for the segment within the transaction set and a valid sample of that segment.
3. The data element summary lists each data element, in order, for the segment. The data element summary includes the following types of information:
  - a. Req - This is the segment identifier with the data element sequence number within the segment.
  - b. Id - This is the number assigned to the data element by ASC X12. This number may be used for direct reference into the ASC X12 Data Element Dictionaries
  - c. Element Name - This is the name assigned to the data element by ASC X12, in the ASC X12 Data Element Dictionary.
  - d. Req - Element Usage based on ASC X12 standard and CS requirement. Below are the values used:

M *Mandatory* The data element must be used if the segment is used.  
 O *Optional* The data element may be used if the segment is used.  
 C *Conditional* The data element may be used - its presence is dependent on the presence or absence of other data elements in the same segment. The particular condition/relation will be stated in the CS Notes section for that segment.

e. *Type - Element Type based on ASC X12 standard and CS requirement. Below are the values used:*  
 ID *Identifier* Values for the identifier-type data elements are taken from a predefined list in the ASC X12 Data Element Dictionary.

AN *String* Values for the string-type data element are a sequence of any printable characters.  
 DT *Date* Values for the date-type data element are in the format YYMMDD.  
 TM *Time* Values for a time-type data element are in the format HHMM expressed in 24 hour clock.  
 Nx *Numeric* Values for a numeric data element are in an implied decimal format, where "x" indicates the number of places to the right of the decimal point. For negative values the leading minus sign (-) is used. Absence of a minus sign indicates a positive number. The decimal point is not transmitted in the character stream.

e.g., N0 is a whole number (999.) To send the number 999 the field contains "999"

N2 is 999.99 To send the number 999.99 the field contains "99999"

R *Decimal* This is a numeric field in character format, with a decimal point included. It is treated as alpha/numeric. The decimal point is not sent for whole numbers. The decimal point is not included in the calculation of data element field length. For negative values the leading minus sign(-) is used. Absence of a minus sign indicates a positive number.

e.g., to send the number 0128.734 the field contains "128.734"

to send the number 0789.00 the field contains "789".

f. *Minimum/Maximum - This is the minimum and maximum length the field can be.*

g. *Usage - Element Usage based on CS mapping. Below are values used:*  
 Must Use CS is mapping this data element to a mandatory field in internal files and CS DB. Unavailability of this element will lead to CS failure.

Used CS may map this data element but unavailability will not cause failure.

Not Used CS is not mapping this data element to internal files and data is not extracted/loaded to CS DB.

h. *Code values - CS supported values for each element.*

## Revision History:

Version Number	Version Date	Change Description
2.0	17Aug'06	Revised the presentation of IG.
1.7	20Oct'05	1. Added V103. 2. Updated sample.
1.3	23Mar'03	Refined contents, revised presentation and corrected typo errors from previous version.
1.0	12Aug'02	Initial Release

# 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

**Description:** Code to identify the type of information in the Authorization Information

**Code Name**

- 00 No Authorization Information Present (No Meaningful Information in I02)
- 01 UCS Communications ID

ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
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**Description:** Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)

ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
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**Description:** Code to identify the type of information in the Security Information

**Code Name**

- 00 No Security Information Present (No Meaningful Information in I04)

ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
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**Description:** This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)

ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
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**Description:** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

**Code Name**

- 01 CargoSmart Qualifier

ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
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**Description:** Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element

**Code Name**

- CARGOSM CargoSmart Interchange ID
- ART

ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
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**Description:** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

		<u>Code</u>	<u>Name</u>				
		ZZ	Mutually Defined				
ISA08	I07	<b>Interchange Receiver ID</b>		M	AN	15/15	Must use
<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							
		<u>Code</u>	<u>Name</u>				
		YOUR_ID	Your Interchange ID				
ISA09	I08	<b>Interchange Date</b>		M	DT	6/6	Must use
<b>Description:</b> Date of the interchange							
ISA10	I09	<b>Interchange Time</b>		M	TM	4/4	Must use
<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							
		<u>Code</u>	<u>Name</u>				
		U	U.S. EDI Community of ASC X12, TDCC, and UCS				
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							
		<u>Code</u>	<u>Name</u>				
		00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	<b>Interchange Control Number</b>		M	N0	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)							
		<u>Code</u>	<u>Name</u>				
		0	No Acknowledgment Requested				
		1	Interchange Acknowledgment Requested				
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							
		<u>Code</u>	<u>Name</u>				
		P	Production Data				
		T	Test Data				
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							

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		separator and the segment terminator				

**Sample:**

ISA\*00\* \*00\* \*01\*CARGOSMART \*ZZ\*YOUR\_ID \*100712\*0118\*U\*00401\*000000001\*1\*P\*~

# 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
		<b>Description:</b> Code identifying a group of application related transaction sets				
		<b>Code Name</b>				
		SO Ocean Shipment Information				
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
		<b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners				
		<b>Code Name</b>				
		CARGOSM CargoSmart Functional Group ID ART				
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
		<b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners				
		<b>Code Name</b>				
		YOUR_ID Your Functional Group ID				
GS04	373	<b>Date</b>	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD				
GS05	337	<b>Time</b>	M	TM	4/8	Must use
		<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)				
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use
		<b>Description:</b> Assigned number originated and maintained by the sender				
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
		<b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480				
		<b>Code Name</b>				
		X Accredited Standards Committee X12				
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
		<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				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		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				
		<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.

### Sample:

```
GS*SO*CARGOSMART*YOUR_ID*20041119*0317*1089*X*004010~
```

# 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

**Description:** Code uniquely identifying a Transaction Set

**Code Name**

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ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

## Semantics:

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

## Sample:

ST\*323\*10890117~

# V1 Vessel Identification

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

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

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

## Element Summary:

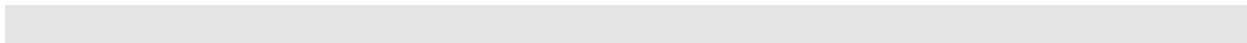
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
V101	597	<b>Vessel Code</b>	C	ID	1/8	Used
		<b>Description:</b> Code identifying vessel				
V102	182	<b>Vessel Name</b>	C	AN	2/28	Used
		<b>Description:</b> Name of ship as documented in "Lloyd's Register of Ships"				
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>	M	ID	2/4	Must use
		<b>Description:</b> Standard Carrier Alpha Code				
* V106	249	<b>Vessel Requirement Code</b>	O	ID	1/1	Not used
		<b>Description:</b> Code specifying options for satisfying vessel requirements				
* V107	854	<b>Vessel Type Code</b>	O	ID	2/2	Not used
		<b>Description:</b> Code to determine type of vessel				
V108	897	<b>Vessel Code Qualifier</b>	O	ID	1/1	Used
		<b>Description:</b> Code specifying vessel code source				
		<b>Code</b>	<b>Name</b>			
		C	Ship's Radio Call Signal			
		L	Lloyd's Register of Shipping			
* V109	91	<b>Transportation Method/Type Code</b>	O	ID	1/2	Not used
		<b>Description:</b> Code specifying the method or type of transportation for the shipment				

## 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.



**Sample:**

V1\*8704561\*JI XIANG SHAN\*PA\*424W\*ABCU\*\*\*L~

# K1 Remarks

Pos: 030	Max: 2
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.				

## CS Notes:

*Service code may be provided through this segment.*

## Sample:

K1\*FTM~

# Loop Port or Terminal

Pos: 040	Repeat: 999
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>
040	R4	Port or Terminal	M	1		Must use
060	V9	Event Detail	M	5		Must use

# R4 Port or Terminal

Pos: 040	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
<p><b>Description:</b> Code defining function performed at the port or terminal with respect to a shipment</p> <p><b>CS Notes:</b> <i>POD and POL are mandatory. POR and FND are optional.</i></p> <p><b>Code Name</b></p> <p>D Port of Discharge (Operational)            E Place of Delivery (Contractual)            L Port of Loading (Operational)            R Place of Receipt (Contractual)</p>						
R402	309	<b>Location Qualifier</b>	C	ID	1/2	Used
<p><b>Description:</b> Code identifying type of location</p> <p><b>Code Name</b></p> <p>D Census Schedule D            K Census Schedule K            UN United Nations Location Code (UNLOCODE)</p>						
R403	310	<b>Location Identifier</b>	C	AN	1/30	Used
<p><b>Description:</b> Code which identifies a specific location</p>						
R404	114	<b>Port Name</b>	O	AN	2/24	Used
<p><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</p>						
R405	26	<b>Country Code</b>	O	ID	2/3	Used
<p><b>Description:</b> Code identifying the country</p>						
* R406	174	<b>Terminal Name</b>	O	AN	2/30	Not used
<p><b>Description:</b> Free-form field for terminal name</p>						
* R407	113	<b>Pier Number</b>	O	AN	1/4	Not used
<p><b>Description:</b> Identifying number for the pier</p>						
R408	156	<b>State or Province Code</b>	O	ID	2/2	Used
<p><b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency</p>						

## Syntax Rules:

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

**Sample:**

*R4\*D\*UN\*JPISG\*ISHIGAKI\*JP~*

# V9 Event Detail

Pos: 060	Max: 5
Heading - Mandatory	
Loop: R4	Elements: 20

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

**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>Code Name</b>						
AAD Actual Arrival at POD						
CRD Cargo Receipt Date						
EAD Estimated Arrival Date						
EDD Estimated Departure Date						
SLD Sailed (actual departure date/time)						
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>	O	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	Not used
<b>Description:</b> Free-form text for city name						
* V906	156	<b>State or Province Code</b>	O	ID	2/2	Not used
<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency						
* V907	26	<b>Country Code</b>	O	ID	2/3	Not used
<b>Description:</b> Code identifying the country						
* V908	641	<b>Status Reason Code</b>	O	ID	3/3	Not used
<b>Description:</b> Code indicating the status reason						
* V909	154	<b>Standard Point Location Code</b>	X	ID	6/9	Not 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	Not used
<b>Description:</b> Numeric value of quantity						
* V911	1274	<b>Train Delay Reason Code</b>	X	AN	2/2	Not 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 reason for train delay				
* V912	61	<b>Free-Form Message</b>	O	AN	1/30	Not used
		<b>Description:</b> Free-form information				
* V913	623	<b>Time Code</b>	O	ID	2/2	Not 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				
* V914	380	<b>Quantity</b>	O	R	1/15	Not used
		<b>Description:</b> Numeric value of quantity				
* V915	154	<b>Standard Point Location Code</b>	O	ID	6/9	Not 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	Not used
		<b>Description:</b> Total pieces of equipment				
* V917	86	<b>Total Equipment</b>	O	N0	1/3	Not used
		<b>Description:</b> Total pieces of equipment				
* V918	86	<b>Total Equipment</b>	O	N0	1/3	Not used
		<b>Description:</b> Total pieces of equipment				
* V919	81	<b>Weight</b>	O	R	1/10	Not used
		<b>Description:</b> Numeric value of weight				
* V920	82	<b>Length</b>	O	R	1/8	Not used
		<b>Description:</b> Largest horizontal dimension of an object measured when the object is in the upright position				

### Semantics:

1. V903 is the event date.
2. V904 is the event time.

### Sample:

V9\*EDD\*\*20041126\*0000~

# SE Transaction Set Trailer

Pos: 070	Max: 1
Heading - 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.

## Sample:

SE\*14\*10890118~

# 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.

## Sample:

GE\*99\*10890000~

# 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						

## Sample:

IEA\*1\*10890000~