

323 Vessel Schedule and Itinerary (Ocean)

Functional Group ID=SO

Introduction:

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.

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
	005	ISA	Interchange Control Header	O	1		
	008	GS	Functional Group Header	O	1		
M	010	ST	Transaction Set Header	M	1		
M	020	V1	Vessel Identification	M	1		
	030	K1	Remarks	O	2		
			LOOP ID - R4			999	
M	040	R4	Port or Terminal	M	1		
	050	DTM	Date/Time Reference	O	15		
M	060	V9	Event Detail	M	5		
M	070	SE	Transaction Set Trailer	M	1		
	080	GE	Functional Group Trailer	O	1		
	090	IEA	Interchange Control Trailer	O	1		

Segment: **ISA** Interchange Control Header
Position: 005
Loop:
Level:
Usage: Optional
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ISA01	I01	Authorization Information Qualifier Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2
M	ISA02	I02	Authorization Information 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)	M AN 10/10
M	ISA03	I03	Security Information Qualifier Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)	M ID 2/2
M	ISA04	I04	Security Information 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)	M AN 10/10
M	ISA05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified ZZ Mutually Defined	M ID 2/2
M	ISA06	I06	Interchange Sender ID 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 Trading Partner ID:	M AN 15/15
M	ISA07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified ZZ Mutually Defined	M ID 2/2
M	ISA08	I07	Interchange Receiver ID 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 'MSCU'	M AN 15/15
M	ISA09	I08	Interchange Date Date of the interchange YYMMDD	M DT 6/6
M	ISA10	I09	Interchange Time Time of the interchange	M TM 4/4

HHMM

M	ISA11	I10	Interchange Control Standards Identifier	M ID 1/1
			Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer	
			U U.S. EDI Community of ASC X12, TDCC, and UCS	
M	ISA12	I11	Interchange Control Version Number	M ID 5/5
			This version number covers the interchange control segments	
			00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	
M	ISA13	I12	Interchange Control Number	M N0 9/9
			A control number assigned by the interchange sender	
M	ISA14	I13	Acknowledgment Requested	M ID 1/1
			Code sent by the sender to request an interchange acknowledgment (TA1)	
			0 No Acknowledgment Requested	
M	ISA15	I14	Usage Indicator	M ID 1/1
			Code to indicate whether data enclosed by this interchange envelope is test, production or information	
			P Production Data	
			T Test Data	
M	ISA16	I15	Component Element Separator	M AN 1/1
			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	

Segment: **GS** Functional Group Header
Position: 008
Loop:
Level:
Usage: Optional
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Syntax Notes:
Semantic Notes:

- 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.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	GS01	479	Functional Identifier Code	M ID 2/2
			Code identifying a group of application related transaction sets	
			SO Vessel Schedule And Itinerary (Ocean)	
M	GS02	142	Application Sender's Code	M AN 2/15
			Code identifying party sending transmission; codes agreed to by trading partners	
			Trading Partner's ID:	
M	GS03	124	Application Receiver's Code	M AN 2/15
			Code identifying party receiving transmission; codes agreed to by trading partners	
			'MSCU'	
M	GS04	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
M	GS05	337	Time	M TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
M	GS06	28	Group Control Number	M N0 1/9
			Assigned number originated and maintained by the sender	
M	GS07	455	Responsible Agency Code	M ID 1/2
			Code used in conjunction with Data Element 480 to identify the issuer of the standard	
			X Accredited Standards Committee X12	
M	GS08	480	Version / Release / Industry Identifier Code	M AN 1/12
			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	
			004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			323 Vessel Schedule and Itinerary (Ocean)	
M	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment: **V1** Vessel Identification
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To provide vessel details and voyage number
Syntax Notes: 1 At least one of V101 or V102 is required.
2 If V108 is present, then V101 is required.
Semantic Notes: 1 V103 is the code identifying the country in which the ship (vessel) is registered.
2 V105 identifies the ocean carrier.
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
V101	597	Vessel Code Code identifying vessel This field is optional.	X ID 1/8
M	V102	182 Vessel Name Name of ship as documented in "Lloyd's Register of Ships" it will be TBN(TO BE NOMINATED) in case the Vessel is not yet known at the time of sending the schedule information.	M AN 2/28
	V103	26 Country Code Code identifying the country	O ID 2/3
M	V104	55 Flight/Voyage Number Identifying designator for the particular flight or voyage on which the cargo travels	M AN 2/10
M	V105	140 Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
	V106	249 Vessel Requirement Code Code specifying options for satisfying vessel requirements	O ID 1/1
M	V107	854 Vessel Type Code Code to determine type of vessel GC General Cargo Use to Indicate Mother Vessel	M ID 2/2
	V108	897 Vessel Code Qualifier Code specifying vessel code source	O ID 1/1
	V109	91 Transportation Method/Type Code Code specifying the method or type of transportation for the shipment	O ID 1/2

Segment: **K1** Remarks
Position: 030
Loop:
Level:
Usage: Optional
Max Use: 2
Purpose: To transmit information in a free-form format for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	K101	61	Free-Form Message Free-form information Servicename. Only the Service Name for the Mother Vessel Needs to be provided	M AN 1/30
	K102	61	Free-Form Message Free-form information	O AN 1/30

Segment: **R4** Port or Terminal
Position: 040
Loop: R4 Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: Contractual or operational port or point relevant to the movement of the cargo
Syntax Notes: 1 If either R402 or R403 is present, then the other is required.
Semantic Notes:
Comments: 1 R4 is required for each port to be identified.

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	R401	115	Port or Terminal Function Code	M ID 1/1
			Code defining function performed at the port or terminal with respect to a shipment	
			D Port of Discharge (Operational) Port at which cargo is unloaded from vessel	
			E Place of Delivery (Contractual) Place at which cargo leaves its care and custody of carrier	
			L Port of Loading (Operational) Port at which cargo is loaded on vessel	
			O Origin (Operational) Shipper's facility at which shipment begins its movement at cargo's expense	
			T Transshipment Port (Contractual) Place at which cargo is transferred to another carrier	
M	R402	309	Location Qualifier	M ID 1/2
			Code identifying type of location	
			D Census Schedule D	
			K Census Schedule K	
			UN United Nations Location Code (UNLOCODE)	
M	R403	310	Location Identifier	M AN 1/30
			Code which identifies a specific location	
	R404	114	Port Name	O AN 2/24
			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	Country Code	O ID 2/3
			Code identifying the country	
	R406	174	Terminal Name	O AN 2/30
			Free-form field for terminal name	
	R407	113	Pier Number	O AN 1/4
			Identifying number for the pier	
	R408	156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	

Segment: **DTM** Date/Time Reference
Position: 050
Loop: R4 Mandatory
Level:
Usage: Optional
Max Use: 15
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 369 Estimated Departure Date 371 Estimated Arrival Date	M ID 3/3
M	DTM02	373	Date Date expressed as CCYYMMDD	M DT 8/8
	DTM03	337	Time Time expressed as HHMM	O TM 4/8
	DTM04	623	Time Code 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	O ID 2/2
	DTM05	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format	X ID 2/3
	DTM06	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times	X AN 1/35

Segment: **V9** Event Detail
Position: 060
Loop: R4 Mandatory
Level:
Usage: Mandatory
Max Use: 5
Purpose: To specify information about a specific event
Syntax Notes:
Semantic Notes:

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

Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	V901	304 Event Code	M ID 3/3
		Code identifying the event about which a report is made	
		ZZZ Mutually Defined	
	V902	106 Event	O AN 1/25
		Free-form description of event	
	V903	373 Date	O DT 8/8
		Date expressed as CCYYMMDD	
	V904	337 Time	O TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
	V905	19 City Name	O AN 2/30
		Free-form text for city name	
	V906	156 State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
	V907	26 Country Code	O ID 2/3
		Code identifying the country	
	V908	641 Status Reason Code	O ID 3/3
		Code indicating the status reason	
	V909	154 Standard Point Location Code	O ID 6/9
		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 Quantity	O R 1/15
		Numeric value of quantity	
	V911	1274 Train Delay Reason Code	O AN 2/2

		Code specifying reason for train delay	
V912	61	Free-Form Message	O AN 1/30
		Free-form information	
V913	623	Time Code	O ID 2/2
		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	Quantity	O R 1/15
		Numeric value of quantity	
V915	154	Standard Point Location Code	O ID 6/9
		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	Total Equipment	O N0 1/3
		Total pieces of equipment	
V917	86	Total Equipment	O N0 1/3
		Total pieces of equipment	
V918	86	Total Equipment	O N0 1/3
		Total pieces of equipment	
V919	81	Weight	O R 1/10
		Numeric value of weight	
V920	82	Length	O R 1/8
		Largest horizontal dimension of an object measured when the object is in the upright position	

Segment: **SE** Transaction Set Trailer
Position: 070
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

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

Data Element Summary

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

Segment: **GE** Functional Group Trailer
Position: 080
Loop:
Level:
Usage: Optional
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information
Syntax Notes:
Semantic Notes: 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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	GE01	97	Number of Transaction Sets Included	M N0 1/6
			Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	
M	GE02	28	Group Control Number	M N0 1/9
			Assigned number originated and maintained by the sender	

Segment: **IEA** Interchange Control Trailer
Position: 090
Loop:
Level:
Usage: Optional
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange	M N0 1/5
M	IEA02	I12	Interchange Control Number A control number assigned by the interchange sender	M N0 9/9