323 Vessel Schedule and Itinerary (Ocean)

Functional Group=SO

Purpose: This X12 Transaction Set 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.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	V1	Vessel Identification	M	1			Must use
0300	K1	Remarks	O	2			Must use
LOOP ID - R4					**999**		
0400	R4	Port or Terminal	M	1			Must use
0500	DTM	Date/Time Reference	O	15			Must use
0600	V9	Event Detail	M	5			Must use
0700	SE	Transaction Set Trailer	M	1			Must use

User Note 1:

323 BUSINESS RULES

. *Frequency of schedule transmission*

   . *Schedules are updated weekly on Saturdays*

   . *Plan to transmit weekly one 323 file each Friday by 1700 Eastern Time*

   . *Absolute cutoff is 1800 Saturdays*

. *All 323 transactions must be sent in a single EDI messge. Do not split into smaller files. If file size becomes an issue, please contact Lowe's EDI.*

. *Each schedule represents a lane or port pairing*

   . *Lowe's Import Transportation has a pre-defined list of port pairs used by Lowe's*

   . *Send all schedules from this list that you service*

. *Schedule file should contain all relevant schedules departing on current date through current date plus 60.*

. *Origin Port represents shippers loading port which may not be Sea Bill port of loading.*

. *Vessal, voyage, string represent Destination port. This will be used in 300 Booking Request.*

. *Only R4*R and R4*D port codes will be used. These will be considered the begin and end points of the route.*

. *Key fields are Vessel ID, Voyage, Service code, Origin Port, Destination Port. Avoid sending duplicate schedules.*

User Note 2:

REVISION TRACKING

10/16/2008

. *R4 - removed R402 D and K code options. UNLOC codes will be used.*

10/31/2008

. *R4 - removed R401 codes - T, L and E. Only R and D codes will be used.*

11/25/2008

. *V1 - updated V101 to mandatory. Vessel ID is required by JDA but is used as a record key*

12/16/2008

. *Updated Busines Rules to reflect change to 60 schedule window from previous 90 window.*

ST Transaction Set Header

Pos: 0100	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:

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

Description: Code uniquely identifying a Transaction Set

Code	Name
323	Vessel Schedule and Itinerary (Ocean)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

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

Semantics:

1. The transaction set identifier (ST01) 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).

2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

V1 Vessel Identification

Pos: 0200	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 5**

User Option (Usage): Must use

Purpose: To provide vessel details and voyage number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V101	597	**Vessel Code**	X	ID	1/8	Must use
		Description: Code identifying vessel				
V102	182	**Vessel Name**	X	AN	2/28	Must use
		Description: Name of ship as documented in "Lloyd's Register of Ships"				
V104	55	**Flight/Voyage Number**	O	AN	2/10	Must use
		Description: Identifying designator for the particular flight or voyage on which the cargo travels				
V105	140	**Standard Carrier Alpha Code**	O	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
		User Note 1: *Ocean Carrier SCAC*				
V108	897	**Vessel Code Qualifier**	O	ID	1/1	Used
		Description: Code specifying vessel code source				

Code Name
L   Lloyd's Register of Shipping 7 Digit Register Number

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.

User Note 1:

In all cases Vessel and Voyage represent mainliner vessel and voyage.

K1 Remarks

<table>
<tr><td>Pos: 0300</td><td>Max: 2</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 1</td></tr>
</table>

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
K101	61	**Free-form Information**	M	AN	1/30	Must use

Description: Free-form information

User Note 1: *Service Route (string) Code*

R4   Port or Terminal

| Pos: 0400   Max: 1 |
| Heading - Mandatory |
| Loop: R4   Elements: 4 |

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R401	115	**Port or Terminal Function Code**	M	ID	1/1	Must use

Description: Code defining function performed at the port or terminal with respect to a shipment

Code	Name
D	Port of Discharge (Operational)

> **User Note 1:**
>
> *Required*

| R | Place of Receipt (Contractual) |

> **User Note 1:**
>
> *Required*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R402	309	**Location Qualifier**	X	ID	1/2	Must use

Description: Code identifying type of location

Code	Name
UN	United Nations Location Code (UNLOCODE)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R403	310	**Location Identifier**	X	AN	1/30	Must use

Description: Code which identifies a specific location

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R404	114	**Port Name**	O	AN	2/24	Used

Description: Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property

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.

> **User Note 1:**
>
> *Lowe's uses only port pairings related to a vessel voyage schedule - R (Place of receipt) and D (Final port of discharge).*

DTM Date/Time Reference

Pos: 0500	Max: 15
Heading - Optional	
Loop: R4	Elements: 4

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

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

Code	Name
369	Estimated Departure Date
371	Estimated Arrival Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Must use

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

DTM03	337	**Time**	X	TM	4/8	Used

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

DTM04	623	**Time Code**	O	ID	2/2	Used

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

Code	Name
LT	Local Time

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.

V9   Event Detail

Pos: 0600	Max: 5
Heading - Mandatory	
Loop: R4	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify information about a specific event

Element Summary:

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

Description: Code identifying the event about which a report is made

Code	Name
ZZZ	Mutually Defined

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

Description: Free-form description of event

User Note 1:

"EVENT"

Syntax Rules:

1. C0605 - If V906 is present, then V905 is required.
2. P1011 - If either V910 or V911 is present, then the other is required.
3. C1304 - If V913 is present, then V904 is required.
4. 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.

User Note 1:

Dummy record to satisfy X12 standards

SE Transaction Set Trailer

Pos: 0700	**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:

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

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

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

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

Comments:

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