

## Annual Performance Test for Voyage Master II S-VDR

Name of ship	Flag	Class	Gross Tonnage	IMO Number
<b>EL FARNO</b>		<b>ABS</b>	<b>17527</b>	<b>7395351</b>

**S-VDR Serial Number:** A06032-000937

Complete all relevant sections; give information, dates or measurements, as appropriate. Mark boxes "x" to indicate satisfactory inspection. Dates should be given in the format mm/yyyy.

A satisfactory operational status means that all major requirements and operating facilities of the equipment or unit have been tested and found to function in accordance with the associated IMO performance standards and relevant SOLAS regulations.

<b>The following test instruments used:</b>	Yes	No	N/A
* Voltmeter.	X	<input type="checkbox"/>	<input type="checkbox"/>
* Laptop.	X	<input type="checkbox"/>	<input type="checkbox"/>
* Mouse.	X	<input type="checkbox"/>	<input type="checkbox"/>
* Firewire Repeater.	X	<input type="checkbox"/>	<input type="checkbox"/>
* Monitor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
* Ultrasonic Tester.	X	<input type="checkbox"/>	<input type="checkbox"/>

<b>The following items were checked and tested as necessary and found satisfactory.</b>	Yes	No	N/A
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Source of energy:

Check main source of energy available in accordance with requirements. AC	X	<input type="checkbox"/>	<input type="checkbox"/>
Check main source of energy available in accordance with requirements. DC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergency source of energy: (Power supply unit)	X	<input type="checkbox"/>	<input type="checkbox"/>

Verify date of installation of battery and install expiration sticker. Batteries must be replaced every 4 years.

Verify expiration sticker date, replace battery as required: JANUARY 2018

If reserve source of energy is a battery, specify type: \_\_\_\_\_

Check for defects including cables. X

Disconnect Line Power from UPS.	X	<input type="checkbox"/>	<input type="checkbox"/>
Check there is sufficient capacity to operate the basic equipment for 2 hours.	X	<input type="checkbox"/>	<input type="checkbox"/>
At the end of this 2-hour period all recording shall cease automatically.	X	<input type="checkbox"/>	<input type="checkbox"/>
Confirm that Bridge Alarm Unit alarm is activated.	X	<input type="checkbox"/>	<input type="checkbox"/>
Confirm that Voyage Recorder is still operational 1 hour 55 min. after removal.	X	<input type="checkbox"/>	<input type="checkbox"/>
Confirm that Voyage Recorder has switched off 2 hours 5 min. after removal.	X	<input type="checkbox"/>	<input type="checkbox"/>
Confirm that battery LED is flashing every second until battery is charged.	X	<input type="checkbox"/>	<input type="checkbox"/>

<b>Bridge Alarm Unit installations.</b>	Yes	No	N/A
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Confirm that Bridge Alarm Unit control display is adequately illuminated.	X	<input type="checkbox"/>	<input type="checkbox"/>
Verify that no alarms are present in the display.	X	<input type="checkbox"/>	<input type="checkbox"/>
Verify that the DIM control can adjust the intensity of the lights.	X	<input type="checkbox"/>	<input type="checkbox"/>
Press both SAVE buttons.	X	<input type="checkbox"/>	<input type="checkbox"/>
When the SAVE function is completed, Verify that the display indicates backup completed.	X	<input type="checkbox"/>	<input type="checkbox"/>

Bridge Alarm Unit is located. BRIDGE CONNING  
 Note physical condition of the equipment: ACCEPTABLE

<b>Data Acquisition Unit.</b>	Yes	No	N/A
Visual inspect the Data Acquisition Unit for defects.	X	<input type="checkbox"/>	<input type="checkbox"/>
Verify cabinet grounding to ships hull.	X	<input type="checkbox"/>	<input type="checkbox"/>
Verify Radar video cable connections.	X	<input type="checkbox"/>	<input type="checkbox"/>
Verify Microphone and VHF cables connected.	X	<input type="checkbox"/>	<input type="checkbox"/>
Note physical condition of the equipment: _____			

Where a sensor has been changed or repaired since the last annual survey follows the VDR manufacturer's instructions to ensure data is being correctly recorded.  
 Verify if any changes in sensors. X

<b>Data Item</b>	<b>Yes</b>	<b>No</b>	<b>Notes</b>
Microphone 1	X	<input type="checkbox"/>	
Microphone 2	X	<input type="checkbox"/>	
Microphone 3	X	<input type="checkbox"/>	
Microphone 4	X	<input type="checkbox"/>	
Microphone 5	X	<input type="checkbox"/>	
Microphone 6	<input type="checkbox"/>	<input type="checkbox"/>	
Microphone 7	<input type="checkbox"/>	<input type="checkbox"/>	
Primary VHF Audio	X	<input type="checkbox"/>	FURUNO FM-8500
Primary Radar Video	X	<input type="checkbox"/>	FURUNO
Rudder Response (Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Status & Setting of Heading or Track Controller (Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Main Engine Order (Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Main Engine Response (Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Thruster Engine Response (Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Thruster Status (Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Acceleration and Hull Stress Data (Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Hull Door Status (IMO Mandatory Status on Bridge)(Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Watertight Door Status (IMO Mandatory Status on Bridge)(Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Fire Door Status (IMO Mandatory Status on Bridge) (Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Speed and Direction (Req. if Serial)	X	<input type="checkbox"/>	RM YOUNG
Date & Time (Master clock, UTC)	X	<input type="checkbox"/>	MX420 GPS
Ship's Position	X	<input type="checkbox"/>	MX420GPS
Ship's Speed	<input type="checkbox"/>	<input type="checkbox"/>	
Ship's Heading	X	<input type="checkbox"/>	SPERRY NAVIGAT X
Depth Below Keel	X	<input type="checkbox"/>	FURUNO FE-700
Depth scale & Sensor status (if fitted) (Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Rudder Order (Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
Main Alarms (IMO Mandatory Alarms on Bridge) (Req. if Serial)	<input type="checkbox"/>	<input type="checkbox"/>	
AIS	X		JRC JHS182/ FA-150

**Protective Date Capsule.**

Yes No N/A

Verify capsule is highly visible and marked with reflective materials.	X	<input type="checkbox"/>	<input type="checkbox"/>
Verify that capsule is mounted on weather deck.	X	<input type="checkbox"/>	<input type="checkbox"/>
Verify that handles on side of capsule are closed. (If not, handles must be set for proper strain.)	X	<input type="checkbox"/>	<input type="checkbox"/>
Verify that cable goes through weatherproof hull penetration.	X	<input type="checkbox"/>	<input type="checkbox"/>
Carried out visual inspection for defects.	X	<input type="checkbox"/>	<input type="checkbox"/>

Make: DANELEC 1301063 C4Serial Number: A10631-000480**Recording Evaluation: Playback randomly selected time.**

Yes No N/A

Verify serial file was recorded.	X	<input type="checkbox"/>	<input type="checkbox"/>
Verify audio file was recorded.	X	<input type="checkbox"/>	<input type="checkbox"/>
Verify video file was recorded.	X	<input type="checkbox"/>	<input type="checkbox"/>

**Locate Acoustic Beacon.**

Yes No N/A

Verify battery expiration date has not been reached.	X	<input type="checkbox"/>	<input type="checkbox"/>
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Make: TELEDYNE BENTHOSModel: ELP-362DDate of expiration: MAY 2015Serial Number: 47368**If battery has expired replace or will expire within 1-year replace**

List replacement date on new battery \_\_\_\_\_

**Ultrasonic test.**

Yes No N/A

Turn Gain level on and frequency tuning between 35 – 40 kHz.  
 Actuate beacon under test by shorting the water switch terminal to case

Beacon will be indicated by an audible pulsing alarm.	X	<input type="checkbox"/>	<input type="checkbox"/>
Note physical condition of the equipment and cables.			



Note: Discrepancies found will be advised to the vessel promptly. Sperry Marine's services will be offered if appropriate to correct faults. This service is not included in the performance test fee. All items will be corrected prior to issuing Certificate of Compliance. Any issues or questions of compliance will be addressed to Product Support Manager for guidance



Attachment A

**CERTIFICATE OF COMPLIANCE**

Date of Inspection	Day	Month	Year
	0	3	1 2 2 0 1 3

Next Inspection	Day	Month	Year
	0	4	1 2 2 0 1 4

<input type="checkbox"/> Voyage Data Recorder (VDR)	Model: VOYAGE MASTER II
<input checked="" type="checkbox"/> Simplified Voyage Data Recorder (SVDR)	DAU S/N: A06032-000937
<input checked="" type="checkbox"/> Annual Performance Test	Capsule S/N A10631-000480
<input type="checkbox"/> New Installation Performance Test	PSR#: 9 3 6 0 3 6

IMO Number: 7 3 9 5 3 5 1 Class:  ABS  DNV  GL  LR  (other) \_\_\_\_\_

Vessel name: EL FARO

Owner/MGR: SEA STAR Service Certificate#: ██████████

I hereby certify that on DECEMBER 3RD 2013, I conducted the Annual mPerformance Test on the Voyage Data Recorder system described above and existing on the above vessel in accordance with SOLAS Chapter V Regulation 18.8 and found it to be in compliance with IMO Recommendation on Performance Standards for Voyage Data Recorders (VDR's) Resolution A.861 (20).

\_\_\_\_\_  
Signature - Certified Engineer (stamp) ██████████  
Print Name - Verified Engineer

<p><b>For your next inspection, please contact Service Control at:</b></p> <p>Europe/Mideast: Phone - (44) (0) 208 329 2401/2 <a href="mailto:service.uk@sperry.ngc.com">service.uk@sperry.ngc.com</a></p> <p>North / South America: Phone - 1 (504) 371 8365 <a href="mailto:wwservice@sperry.ngc.com">wwservice@sperry.ngc.com</a></p> <p>Asia: Phone - (65) 272 3332 <a href="mailto:spares.singapore@sperry.ngc.com">spares.singapore@sperry.ngc.com</a></p>	<p>Exceptions: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
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