FURUNO
VDR APT & COC Status Information Page
You can check if the APT has been approved by FURUNO.

Form No. VTR2306
Test Report No. YY-20250306-1 (1/4)

VDR/S-VDR Annual Performance Test Report

The Test Report is in accordance with MSC.1/Circ.1222/Rev.1 and SOLAS V/18.8.

Ship's details

Ship's Name	ROYAL LADY		
IMO No.	9300829		
Flag	Antigua and Barbuda		
Classification Society	DNV		
Gross tonnage	9,993		
Date keel laid (DD/MM/YYYY)	01/07/2004		

VDR/S-VDR details

Manufacturer	FURUNO ELECTRIC CO., LTD.		
Model	VR-5000		
Software version	V 03 . 26		
Serial No.	DCU	3482-1142	
	Fixed DRU	30645	
	Float-free DRU (6 digits)		
Date fitted (MM/YYYY)	08/2004		

Inspection details

Company: MARINTEL LLC Address: 111 Badamdar Shosesi, Baku 1004, Azerbaijan	◉ Approved by the ship's class as a VDR APT Provider Certificate No. : AOSS0000M8J Valid till: 28 January 2028 ○ Approved by the surveyor to perform this test (Confirm if above is blank)
Name of person conducting testing: YASIN YILMAZ	APT Engineer Certificate No.: 220600[illegible]APT Valid till: 21 June 2025
Person authorized by Furuno Electric Co., Ltd. Signature: MarinTel	Ship's representative ROYAL LADY ★ MASTER ★ ANTIGUA AND BARBUDA
Date (DD/MM/YYYY): 06/03/2025 Place (Port) : SKAGEN (Country) : DENMARK	Date (DD/MM/YYYY): 06/03/2025 Place (Port) : SKAGEN (Country) : DENMARK

	YES	NO	N/A
1. Pre-existing alarms (Tick relevant box.)			
Confirm that no alarms were present at start of procedure	◉	○	
2. Power supply alarm check			
Remove source of external power. Confirm that battery running alarm is generated.	◉	○	
Record time (hh:mm) 11 : 20 (UTC)			
3. Reserve power source check			
Allow VDR to continue running for 1 hour 55 minutes from "2" above. Confirm that equipment is still operating at the time, with no additional alarms.	◉	○	
Record time (hh:mm) 13 : 15 (UTC)			
4. Reserve power source shutdown check			
2 hours 05 minutes from "2" above confirm that the system has automatically stopped recording. Note: After the confirmation, turn DC off. Then, turn AC and DC on again without fail.	◉	○	
Record time (hh:mm) 13 : 25 (UTC)			

5. Battery expiry dates

Battery	Type	*Expiry date	YES	NO	N/A
Acoustic beacon	DK120 (for VR-3000/3000S/5000) Type (Confirm if above is Others) :	01/2029 (MM/YYYY)	◉	○	○
Batteries built-in DCU	VR-5015 (for VR-5000) Check the using two batteries indicating "YUASA NP17-12I" visually.	01/2026 (MM/YYYY)	◉	○	

*: Expiry date recorded in the card on DCU rear cover and Maintenance Viewer (Lifetime) should be updated.

6. Acoustic beacon test

Using manufacturer's test equipment confirm that acoustic beacon is functional or by the substitution of a certified fully operational unit.		YES	NO	N/A
Used beacon tester	Model: AMI KW908 Serial No.: 2244 ☐Not used (Newly replaced)	◉	○	○
Battery voltage of beacon	3.6 V			

7. Overall condition of equipment

Note - Use checklist on 3/4 page. If model is VR-7000/7000S, use checklist for float-free DRU on 4/4 page.

Inspect equipment and record condition.		YES	NO	N/A
Sub unit	**Notes on condition**			
Fixed DRU	GOOD	◉	○	○
Float-free DRU		○	○	◉
DCU/RAP/MIC/RJB/SA	GOOD	◉	○	

8. Interfaces: Operation and recording

Data item	Source equipment	YES	NO	N/A
Date and time	Preferably external to ship (e.g. Global Navigation Satellite System)	◉	○	
Ship's position	Electronic Positioning system	◉	○	
Speed (through water or over ground)	Ship's designated speed and distance measuring equipment	◉	○	
Heading	Ship's compass	◉	○	
Bridge audio	One or more bridge microphones	◉	○	
Communications Audio	VHF	◉	○	
Radar data-post display selection	Master radar display (both radars, where applicable)	◉	○	○
Water depth	Echo sounder	◉	○	○
Main alarms	All mandatory alarms on bridge	◉	○	○
Rudder order and response	Steering gear and autopilot	◉	○	○
Engine and thruster order and response	Telegraphs, controls and thrusters	◉	○	○
Hull openings status	All mandatory status information displayed on bridge	○	○	◉
Watertight and fire door status	All mandatory status information displayed on bridge	○	○	◉
Accelerations and hull stresses	Hull stress and response monitoring equipment where fitted	○	○	◉
Wind speed and direction	Anemometer where fitted	◉	○	○
All AIS data	AIS	○	○	◉
ECDIS data	ECDIS display in use, where fitted	○	○	◉
Rolling motion	Electronic inclinometer, where fitted	○	○	◉
Configuration data	Data block defining configuration of VDR and its sensors	◉	○	○
Electric logbook data	Electric logbook in accordance with the standard of the Organization, where fitted	○	○	◉
Bridge watch alarm	BNWAS	○	○	◉

9. Change or repair of sensors

Check maintenance records of VDR	◉	○	○
Confirm any defects properly rectified	○	○	◉

10. Manufacturer's analysis

Result of this item should be described at Endorsement of test report and recorded data by manufacturer in **Certificate of Compliance for Voyage Data Recorder** (Certificate No. YY-20250306-1) by FURUNO ELECTRIC CO., LTD (FEC) or the company certified by Furuno Certificate of Service Supplier (CoSS).

Following data should be sent to FEC or the company certified by CoSS for the endorsement by manufacturer.
(1) Test Report (2) Live player print screen data (Print screen of play back data including the ship's name and the recording period) (3) Log data or Event data (4) Configuration data (5) Maintenance Viewer print screen data (Vessel and Lifetime) (6) Pictures (DCU battery, Acoustic beacon and HRU, if applicable)

Check List of VDR/S-VDR Overall Condition

	Fixed DRU	YES	NO	N/A
1	Ensure that DRU locates on the deck where satisfy the guidelines in the installation manual.	◉	○	○
2	Ensure that the DRU is not damaged, dirty, or not corroded.	◉	○	○
3	Ensure that the color is not faded and the fluorescent reflective tape has not degraded.	◉	○	○
4	Ensure that "Do NOT OPEN" caution label is not damaged, and readable.	◉	○	○
5	Ensure that beacon cover is fitted with DK120. Note: In the case of the acoustic beacon other than DK120, tick N/A.	◉	○	○
6	Ensure that fixing bolts are not loose.	◉	○	○
7	Ensure that the silicone sealant is applied to the cable entrances and the fixing bolts.	◉	○	○
8	Ensure that the cables are not damaged.	◉	○	○
	Float-free DRU	YES	NO	N/A
9	Ensure that DRU is located on the deck in accordance with the guidelines in the installation manual.	○	○	◉
10	Ensure that the DRU and the bracket are not damaged, dirty, or not corroded.	○	○	◉
11	Ensure that the color does not fade and the fluorescent reflective tape does not degrade.	○	○	◉
12	Ensure that labels are not damaged, and readable.	○	○	◉
13	Ensure that DRU is grounded properly.	○	○	◉
14	Ensure that fixing bolts are not loose.	○	○	◉
15	Ensure that the silicone grease is applied to between the capsule and docking module.	○	○	◉
16	Ensure that the silicone sealant is applied to the cable entrances and the fixing bolts.	○	○	◉
17	Ensure that the cables are not damaged.	○	○	◉
	DCU (Data Collecting Unit)	YES	NO	N/A
18	Check for physical damage of DCU.	◉	○	
19	Ensure that DCU is grounded properly.	◉	○	
20	Ensure that fixing bolts are not loose.	◉	○	
21	Ensure that cable connections are not loose.	◉	○	
22	Ensure that the DCU is locked with the key.	◉	○	
23	Ensure that playback software CD-ROM, cables and instruction manual are in the cardholder on the DCU.(for VR-3000/3000S/7000/7000S)	◉	○	○
	RAP (Remote Alarm Panel) and MICs	YES	NO	N/A
24	Check for physical damage of RAP and MICs.	◉	○	
25	Ensure that RAP is grounded properly (if possible).	◉	○	○
26	Ensure that fixing bolts are not loose.	◉	○	
27	Ensure that cable connections are not loose (if possible).	◉	○	○
	RJB (Remote Junction Box) and SA (Sensor Adaptors)	YES	NO	N/A
28	Check for physical damage of RJB and SA.	○	○	◉
29	Ensure that RJB and SA are grounded properly.	○	○	◉
30	Ensure that fixing bolts are not loose.	○	○	◉
31	Ensure that cable connections are not loose.	○	○	◉

Remarks for all items of this test report:

NIL.

Check List of VR-7000/7000S Float-free DRU

Use this check list for APT (annual performance test) and SBM (shore-based maintenance) of VR-7021F/7024F.
In case of VR-3000/3000S/5000, following check is not required because float-free DRU is not used for these models.

	Maintenance required by MSC.1/Circ.1040/Rev.2			YES	NO	N/A
1	Fitted position and mounting for float-free operation Location:			○	○	
2	Visual inspection			○	○	
3	Self-test routine, including the GNSS self-test (if applicable)			○	○	
4	Labeling	Beacon Serial No.: , Note: This number is indicated under "VDR system" of the label on the antenna (Not the S/No. of Float-free DRU, Page 1/4) Ship's name, 15 Hex ID (Hexadecimal Identification Digits), MMSI/Call sign, Due date of the next SBM and AIS user ID (if applicable)		○	○	
5	Decoding	Decoded information when float-free DRU is operated in self-test mode. (avoid distress transmission) 15 Hex ID: *MMSI, Call sign or Serial No.: (*: Ref. National requirements)		○	○	
		Used EPIRB tester	Model: Serial No.:			
		AIS user ID (For VR-7024F):				
6	Encoded MMSI No. or Call sign	Correspondence with the assigned MMSI No. or Call sign (Ref. National requirements)		○	○	○
7	Registration			○	○	
8	Battery	-----	**Expiry date (MM/YYYY):	○	○	
9	Hydrostatic Release Device	Type (kit): 86218 ☐	**Expiry date (MM/YYYY):	○	○	
10	406MHz	Emission in self-test mode		○	○	
11	121.5MHz	Emission in self-test mode		○	○	
12	161.975MHz 162.025MHz	Emission in self-test mode (if applicable)		○	○	○
13	SBM interval	Next SBM date (MM/YYYY):		○	○	
		Installation date or the latest SBM date (if implemented) (MM/YYYY):				
14	Remounting of the float-free DRU in its bracket			○	○	
15	Lanyard			○	○	
16	Presence of operating instructions			○	○	
17	Presence of pictorial instructions for manual operation			○	○	

	Shore-based maintenance required by MSC/Circ. 1039/Rev.1		YES	NO	N/A
18	Battery change		○	○	○
19	406MHz	Frequency error in normal transmitting mode (406.037±5kHz): kHz	○	○	○
		Output power	○	○	○
20	121.5MHz	Transmission in normal transmitting mode	○	○	○
		Modulation (Sweep tone)	○	○	○
21	161.975MHz 162.025MHz	Transmission in normal transmitting mode	○	○	○
		AIS message (AIS User ID, position and 15 Hex ID)	○	○	○
22	GNSS		○	○	○
23	Waterproof test		○	○	○
24	Labeling (Due date of the next shore-based maintenance)		○	○	○

25	SBM Provider	Measuring equipment	Name	Model	Serial No.
		Company			
		Technician			
		Signature	SBM Date (DD/MM/YYYY): SBM Place:		

**: Expiry date recorded in the card on DCU rear cover and Maintenance Viewer (Lifetime) should be updated.