



Annual performance test checklist

As per IMO MSC.1/Circ. 1222 Ref.T4/8.01 – to be submitted to manufacturer
of (Simplified) Voyage Data Recorder RUTTER 100G3 Series

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1.0 General

As per SOLAS V #18.8 MSC 99(73), in conjunction with IMO MSC.1/Circ. 1222 Ref. T4/8.01 (S)VDR and VDR systems require an annual performance test in order to maintain and secure IMO compliance:

“The voyage data recorder (VDR) system, including all sensors, shall be subjected to an annual performance test. The test shall be conducted by an approved testing or servicing facility to verify the accuracy, duration, and recoverability of the recorded data. In additions shall be conducted to determine the serviceability of all protective enclosures and devices fitted to aid location. A copy of the (new) certificate of compliance issued by testing facility, stating the date of compliance and the applicable performance standards, shall be retained on board the ship”.

This annual survey will verify that the NW-6000 (S) VDR is fully operational and operating within the specifications of the IMO requirements. It will also guarantee that the VDR is recording all required data parameters as initially installed, and the data recorded is both secure and correctly stored to the Storage Modules. This document contains the Orolia B.V. Annual Recertification checklist for Voyage Data Recorders.

This document, together with downloaded verification files from the VDR, must be completed and returned to Orolia B.V. by the Service agent in order to obtain – provided that the technical criteria of the report issued and the inspected files prove satisfactory – a new certificate for the consecutive year. The validity of certificate is 12 months from the inspection date.

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2.0 Ship's details

Details of the vessel					
Date of Inspection	8/16/2022				
Ship's name	PRIMA XP				
IMO Number:	9250153				
Port of inspection	ASL BATAM SHIPYARD				
Year built:	2002				
MMSI number	525108023				
Flag/Class	INDONESIA				
Gross Tonnage	25518				
Company name of vessel-owner/managers:	PT PERTAMINA				
Details of the (S) VDR on board					
Date of first installation & commissioning:	03/2013	Month/Year			
Commissioning by:					
VDR type:	FULL VDR	☒ S-VDR			
Core module serial number:	RT-1044-AA#30113010053				
Bridge control unit serial number:	RUT01053-AA#AU03113020039				
Fixed recording medium serial number:	L3HVR#000434110				
Float free recording medium serial number					
Software version number (core module):	6.01.04				
Service agent details					
Name of attending service engineer:	SUHERMAN				
Expired date training cert. (DD/MM/YYYY):	06/07/2026				
Engineering email address:					
Company name:	PT. ZAPIR MARIN INDONESIA				
Country:	INDONESIA				
Pre-existing alarms: if applicable, list all errors below (and repair system before continuing annual performance test)					

3.0 GMDSS + Navigation Equipment

VDR surveys are part of the GMDSS/SOLAS safety package and Orolia B.V. recommends to provide complete information about safety and navigation equipment on board to ensure timely maintenance for live saving equipment. We therefore request you to fill in below list as being part of general safety check on board as preparation of the GMDSS survey.

Sensor	Maker	Model	Serial number	Battery expiry date
EPIRB 1				
EPIRB 2				
EPIRB 3				
Sart 1				
Sart 2				
VHF handheld 1				
VHF handheld 2				
VHF handheld 3				
Radar 1	JRC	JMA-9833-SA	N/A	N/A
Radar 2			N/A	N/A
ECDIS 1			N/A	N/A
ECDIS 2			N/A	N/A

4.0 Power Supply

Battery condition and power failure test Please fill out time in UTC			
Power fail alarm check incl. start time Remove source of external power. Confirm that the alarm indicating power failure is activated on the Bridge Control Unit	Time: 04:04:30		
	Alarm:	Yes	No ☒
Reserved power recording period check Did you notice any additional alarms coming up during the 2 hour battery test?	Time:		
	Alarm:	Yes	No ☒
If the above test fails, or if the battery pack is beyond its expiry date, please replace the batteries, p/n of the battery pack is: NW6000-1505*			
Expiration date current batteries: Obligatory for approval (needs to be filled in)	08/2029 Month/Year		
Serial numbers: Indicated on sticker	Battery #1:		
	Battery #2:		
	Battery #3:		
	Battery #4:		
New expiration date, if replaced: (please cut out the right expiry date on both batteries, life time = 4 years	Month/Year		

Please always provide pictures of the expiry date of the batteries. The sticker can be found on the panel cover of the VDR. If batteries were replaced during this APT, please provide pictures of the actual batteries as well

5.0 Physical condition of the equipment

5.1 Fixed recording medium (FRM)			
Colorization (bright orange): (If not use paint kit NW4000-1509)	Ok	✓	Not ok
Adhesives / stickers: (if not, use sticker kit)	Ok	✓	Not ok
Release mechanism:	Ok	✓	Not ok

5.2 Underwater locator beacon (acoustic beacon PT9-ninety)		
Type and Serial number of the beacon	PT9 NINETY	
Beacon expiry date (3 years after installation date)	08/2028	Month/Year
Beacon condition	Ok 	Not ok
Beacon battery expiry date (36 months after production date, PT9 Ninety only)	08/2028	Month/Year
Acoustic beacon voltage:	3.65VDC	

*Beacon and/or beacon battery pictures need to be sent together with the APT dataset when submitting your files

5.3 Float Free Recording Medium – FRM information:	
Beacon manufacturer	
Model	
Beacon serial number	
Bracket type	
Bracket serial number	
Battery expiry date	
Hydrostatic release expiry date	Month/Year

5.4 Physical inspection of cabinets, microphones & cabling			
Main cabinet Core module	Ok	✓	Not ok N/a
Main cabinet Bridge Control Unit	Ok	✓	Not ok N/a
Main cabinet DAQ	Ok	✓	Not ok N/a
Main cabinet DAQ (2) (if applicable)	Ok		Not ok N/a ✓
Main cabinet DAQ (3) (if applicable)	Ok		Not ok N/a ✓

5.5 EPIRB/Float Free

*Please note that if tested with Tron UNIDEC EPIRB decoder, you should send us the UNIDEC report instead of filling in 5.2.1.

1. UNIDEC report	
1a. Checked Location	
1b. Checked float free mounting	
2a. Checked presence of lanyard	
2b. Checked neatly stowage on lanyard	
2c. Checked lanyard not fastened to bracket or vessel	
3. Visual inspection for defects	
4. Carrying out the self-test routine	
5. Checking of markings	
5a. Correct labeling of decoded EPIRB identification	15 HEX ID
	MMSI
	CALL Sign
	Serial number
5b. Is the instructions plate set up?	N/A
5c. (8) Expiry date of battery	
5d. EPIRB serial number	
5f. Due date service SBM provider	
6. Checked decoded signal corresponds with marking	
7. Checked registration of decoded signal by documentation of flag state authority	
8. Checking of expiry date of hydrostatic release	
9. Checking emission in the 406 MHz band using the self-test mode or appropriate device to avoid transmission of a distress signal to the satellites	
10. If possible checking emission in the 121.5 MHz band using the self-test mode or an appropriate device to avoid activating the satellite system	
11. After test, remounting EPIRB in its bracket, checking that no transmission has been started	
12. Verifying the presence of operational manual	

6.0 Audio

	Location:	PN/LWE number	Ok	Not ok	N/a
Microphone 1:	PORT WING	PN1001.1	✓		
Microphone 2:	STEERING WING	PN1002.1	✓		
Microphone 3:	RADAR BRIDGE	PN1003.1	✓		
Microphone 4:	GMDSS BRIDGE	PN1004.1	✓		
Microphone 5:	CHART TABLE/GMDSS	PN1006.1	✓		
Microphone 6:					✓
Microphone 7:					✓
Microphone 8:					✓
Microphone 9:					✓
Microphone 10:					✓
	Location, Type and Brand	PN/LWE number	Ok	Not ok	N/a
VHF 1:	JHS-32A	PN2000.1	✓		
VHF 2:					✓
Time of microphone/VHF test (UTC) (specify where mic test starts/ends on data sample)		Start time: 09:30:41	End time: 11:40:01		

- In case more equipment is being recorded please mention these in section 9.0 Final Observations.

7.0 Ship's equipment current condition

(Change or repair to ship's equipment)

Confirm that no equipment, that may affect VDR recording, has been changed or repaired since the last survey	Yes ✓	No	
Confirm that service report covering changes or repairs are available upon request	Yes ✓	No	N/A
If answer is no, record details of any changes or repairs below			

8.0 Interfaces: Operation & Recording

•Note that the VDR Configuration file contains all applicable make and model information of connected ship equipment . **Please note that for all signals to the VDR, both sample/str and device manufacturer should be filled in.

Data item	Connected		Signal type	Identifier	Device manufacture (make/model)
Date and time Preferably external to ship (e.g. GPS)	Yes	No	NMEA	\$GPZDA	JRC JLR-7800
Ship's position Electronic Positioning system	Yes	No	NMEA	\$GPGLL	JRC JLR-7800
Speed (through water or over ground) Ship's designated speed and distance measuring equipment	Yes	No	NMEA	\$GPVTG	JRC JLR-7800
Heading (Ship's compass)	Yes	No	NEMA	\$HEHDT	YOKOGAWA CMZ700
1st Radar data – post display selection X or S Band radar display (mandatory)	Yes	No	VIDEO		JMA 9833 SA
2nd Radar data – post display section X or S Band radar display	Yes	No	N/A		
3rd data - post display selection Primary ECDIS	Yes	No	N/A		
4th data – post display selection Data Post Radar selection	Yes	No	N/A		
AIS data	Yes	No	NMEA		
Water depth Echo sounder	Yes	No	N/A		JFE 680
Main alarms All mandatory alarms on bridge	Yes	No	N/A		
Rudder order and response Steering gear and autopilot	Yes	No	N/A		
Engine order and respond Telegraphs, controls and thrusters	Yes	No	N/A		
Hull opening status All mandatory status information displayed on bridge	Yes	No	N/A		
Watertight and fire door status All mandatory status information displayed on bridge	Yes	No	N/A		

Data item	Connected		Signal type	Identifier	Device manufacture (make/model)
Acceleration and hull stresses Hull stress and response monitoring equipment t (where fitted)	Yes	No	N/A		
Wind speed and direction Anemometer (where fitted)	Yes	No	N/S		
BNWAS_t	Yes	No	NMEA	\$BNALR	SELMAR
Electronic inclinometer	Yes	No	N/A		
Electronic Logbook	Yes	No	N/A		
	Yes	No			
	Yes	No			
	Yes	No			
	Yes	No			

8.1 Data item	Yes	No	N/A
Configuration has been verified as correct (updated where necessary)	X		
Data set contained in Fixed Recording Medium covers required 48 hour period and is checked	X		
Data set contained in Float Free Recording Medium covers 48 hour period and is checked	X		
Confirm that the time on VDR is synchronized with the external time source being utilized by the VDR (e.g., GPS)	X		
All required data items (with downloaded config. Files*, small VDR Data sample incl. mic test (3-5 min) and completed Checklist) have been collected for issuance to Orolia B.V. for final review and verification.	X		

9.0 Final observations

* The data sample submitted to Orolia B.V. for review must be downloaded at the completion of the two hour battery test and contain evidence of a successful shut down.

VDR WORKING NORMAL AND RECORDING

10.0 Statements

The fields below require the written signature of the (re)certifying technician and vessel's representative, as well as the associated date and place of the survey

Please fill in the expiry date of the current CoC on board	-	
Did any further VDR services take place in between last APT and today? If so, please attach all service reports together with the APT report for verification purpose	Yes ✓	No
Date and Place:	BATAM, 16 AGUSTUS 2025	
Vessels representative Signature & Ship's stamp	NAME :	
Certified Service representative Name and Signature By signing this document you declare that all VDR service reports dated after the last APT survey will be submitted together with the APT data (if applicable)		

Please print out this page, sign it, stamp it, and send it along with the items below.

Please send the files, together with this signed/stamped page, in a packed .zip or .rar file extension via <https://netwavesystems.wetransfer.com>

1. Selection of approximately 3-5 min of data containing audio, video and NMEA including Content of the microphone and VHF testing by technician.
2. The data set should contain the following files;
 - coremod-error.log
 - cm.config
 - vdr-cfg.txt
3. This signed and stamped APT document
4. Service report
5. The UNIDEC EPIRB Decoder report (if applicable)

NOTICE! This document IS NOT a certificate. In accordance with MSC.1/Circ.1222 – Guidelines on annual testing of voyage data recording (VDR) and simplified voyage data recorders (S-VDR) (date 11 December 2006), Orolia B.V. as the manufacturer, must review the information contained in this Voyage Data Recorder Performance Test Report, file all changes in its vessel database and issue the then complete Voyage Data Recorder Performance Test Report and Certificate of Compliance. Without an issued Voyage Data Recorder Performance Test Report and Certificate of Compliance the APT is no valid.