SURVEY CHECK LIST

Ship's name:	N.R.

Survey:

VOYAGE DATA RECORD (VDR) & SIMPLEFIED VOYAGE DATA RECORD (S-VDR) ANNUAL PERFORMANCE TEST

RADIO TECHNICAL SURVEY – "VDR" & "S-VDR" Performance Test Report

Voyage data recorder details

MANUFACTURER: MODEL:

SYSTEM SERIAL NUMBERS: SOFTWARE VERSION No.:

DATE FITTED:

			CONDITION [1]			
			1.	2.	3.	4.
1	**Pro-existing alarms:** Confirm that no alarms are present at start of procedure					
2	**Power supply alarm check:** Remove source of external power. Confirm that alarm is activated. Record time (hh.mm):		☐	☐	☐	☐
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 this time, with no additional alarms. Record time (hh.mm):		☐	☐	☐	☐
4	**Reserve power source shutdown check:** 2 hours 05 minutes from "2" above confirm that the VDR has automatically stopped recording. Record time (hh.mm):		☐	☐	☐	☐
5	**Battery expiry dates:** Expiry dates (where applicable).					
	5.1	Acoustic beacon:	☐	☐	☐	☐
	5.2	Reserve power source:	☐	☐	☐	☐
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.		☐	☐	☐	☐
7	**Overall condition of equipment:** Inspect equipment and record condition, check if satisfactory: Sub unit notes on condition					
	7.1	Protective capsule:	☐	☐	☐	☐
	7.2	External cables:	☐	☐	☐	☐
	7.3	Main unit:	☐	☐	☐	☐
8	**Interfaces: Operation and recording**					
	8.1	**Date and time:** Preferably external to ship (e.g. Global Navigational Satellite System).	☐	☐	☐	☐
	8.2	**Ship's position:** Electronic Positioning system, length and beam	☐	☐	☐	☐
	8.3	**Speed (through water or over ground**) ([2]): Ships designated speed & distance measuring equipment.	☐	☐	☐	☐
	8.4	**Heading:** Ship's compass.	☐	☐	☐	☐
	8.5	**Bridge audio:** one or more bridge microphones.	☐	☐	☐	☐
	8.6	**Communications Audio:** VHF	☐	☐	☐	☐
	8.7	**Radar data: post display selection:** Master radar display.	☐	☐	☐	☐
	8.8	**Water depth:** Echo sounder.	☐	☐	☐	☐
	8.9	**Main alarms ([3]):** All mandatory alarms on bridge.	☐	☐	☐	☐
	8.10	**Rudder order and response:** Steering gear and autopilot.	☐	☐	☐	☐
	8.11	**Engine order & response:** Telegraphs, controls and thrusters.	☐	☐	☐	☐
	8.12	**Hull openings status:** All mandatory status information displayed on bridge.	☐	☐	☐	☐

NOTE:
[1] 1. Found satisfactory; 2. See remark; 3. Repaired/Rectified; 4. Non applicable

	8.13	**Watertight and fire doors status:** All mandatory status information displayed on bridge.	☐	☐	☐	☐
	8.14	**Acceleration and hull stresses:** Hull stress & response monitoring equipment **where fitted**.	☐	☐	☐	☐
	8.15	**Wind speed and direction:** Anemometer **where fitted**.	☐	☐	☐	☐
9	**Change or repair of sensors**					
	9.1	Check maintenance records of VDR	☐	☐	☐	☐
	9.2	Confirm any defects properly rectified	☐	☐	☐	☐
10	**MANUFACTURER'S ANALYSIS:**					
	Note – This confirms the endorsement by the manufacturer of the testes and that the master record/database has been checked.					
	10.1	Manufacturer's analysis of 12-hour log is attached and in accordance with International Electrotechanical Commission (IEC) 61996 Maritime navigation and radio communication equipment and systems – Shipborne voyage data recorder (VDR) – Performance requirements – Methods of testing and required test results section 4.6 – Data items to be recorded (resolution A.861(20), section 5.4). Confirmation that all data is available throughout the 12-hour recording	☐	☐	☐	☐
		Date and time of the above log:	☐	☐	☐	☐
11	**Observations and additional manufacturer's requirements**					
	Note – This specifically provides for the logging of significant events that may have occurred on board since the previous test, including the refitting of equipment or major unit change to existing equipment. – Any or all of which may have an impact on the availability or quality of the VDR/S-VDR input signal.					

Person authorized by the manufacturer: _____ Date: _____

Ship's representative: _____ Date: _____

If the manufacturer does not complete a review and issue a completed test report within 45 days this test report should go forward for certification.

This performance test was conducted in accordance with SOLAS regulation V/18.8 and forms part of the procedure for the issue of the Annual Performance test Certificate. The results, information and any comments should be relayed to the manufacturer in accordance with the instructions contained within the Operation Manual. Subject to satisfactory results, an Annual Performance Test Certificate will then be issued.
This report may also be considered as the certificate of compliance issued by the testing facility, as required by SOLAS V/18.8, provided it is properly signed and dated subject to the equipment being maintained in appropriate operational condition. In accordance with the harmonization of certificates this certificate will remain valid until the next annual re-validation inspection when a new check sheet is to completed and left on board.

Radio Technician's Remarks:

Place / Date	Stamp	Signature of CRS Surveyor
Place / Date	Stamp	Signature of competent radio expert

NOTE:

[1] 1. Found satisfactory; 2. See remark; 3. Repaired/Rectified; 4. Non applicable

[2] Either speed through water or speed over ground needs to be recorded from the ship's speed and distance measuring equipment, along with an indicator of which one it is.

[3] For VDR's (not S-VDR's) Verification that recorded Main Alarms of unmanned engine room vessels includes the bridge alarms per MSC Resolution A.830(19) and MSC Resolution A.686(17) – Table 9.1.1.