



**CERTIFICATE OF APPROVAL
FOR
FIRMS ENGAGED IN PERFORMANCE TESTS OF
VOYAGE DATA RECORDERS**

Certificate No. : 23EQ1326VT

Approval No. : VT283

THIS IS TO CERTIFY that

TELNAV TELECOMUNICACOES LTDA

Rua Marajó, 90 Macaé, Rio de Janeiro, BRAZIL

is approved as a firm engaged in annual performance tests of the voyage data recorders under the Society's Rules for Approval of Manufacturers and Service Suppliers incorporating IACS UR Z17, as amended.

This approval is valid until **29 November 2025**, subject to periodical assessment and the validity of the equipment manufactures' approval, and in association with the attachment to this certificate on which the applicable items to this approval are listed.

This certificate was issued at Tokyo on **15 December 2023**.

See the conditions for approval on the reverse.

NIPPON KAIJI KYOKAI


Y. Takao
General Manager
Material and Equipment Dept.



Conditions for Approval:

1. The scope of performance test of this firm is as follows;
- VDR/S-VDR regarding SOLAS Chapter V, Regulation 20
For the applicable items to this approval, refer to the attachment.
2. The service has been properly conducted and reported to the Society's surveyor in accordance with the requirements of the rules and the relevant regulations.
3. Where there is any alteration to the service approved by this certificate, the firm should notify immediately to the Society.

This is to certify that the firm has been periodically or occasionally assessed in accordance with the regulations of Chapter 2, Part 1 of the Rules for Approval of Manufacturers and Service Suppliers.

Note: Periodical Assessment was completed on 29 November 2023

Periodical Assessment	Date	_____
	Signature	_____
		Surveyor to NIPPON KAIJI KYOKAI
Occasional Assessment	Date	_____
	Signature	_____
		Surveyor to NIPPON KAIJI KYOKAI

NIPPON KAIJI KYOKAI



Attachment to the certificate No. 23EQ1326VT

Manufacturers / Models

Netwave Systems B.V.	NW-4000 VDR, NW-4000 SVDR, NW-6000 VDR, NW-6000 SVDR
Danelec Marine A/S	DM100, DM200, DM300, DM400, DM500, DM100 G2
Rutter Technologies Inc.	VDR-100G2S, VDR-100G3S
Furuno Electric Co., Ltd.	VR-3000, VR-3000S, VR-5000, VR-7000, VR-7000S
MacGregor Germany GmbH & Co. KG	VDR G4, S-VDR G4e