NIPPON KAIJI KYOKAI

COPY

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

*Certificate No. :* **24EQ237VT**
*Approval No. :* **VT345**

THIS IS TO CERTIFY that

## MACKAY MARINE PRIVATE LIMITED

**Unit No-601,6th floor,Kamla Executive Park, B-Cross Road, Off Andheri Kurla Road, Opposite Vazir Glass work, (J.B. Nagar Metro Station), Andheri East, Mumbai-400059, Maharashtra, INDIA**

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 **20 February 2029**, 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 **12 March 2024**.

See the conditions for approval on the reverse.

NIPPON KAIJI KYOKAI

Y. TAKAO
General Manager
Material and Equipment Dept.

NIPPON KAIJI KYOKAI Founded 1899 ClassNK

ClassNK

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.

Due range of the periodical assessment: between 21 February 2026 and 20 February 2027

*Periodical Assessment*

*Date* _____

*Signature* _____

*Surveyor to NIPPON KAIJI KYOKAI*

*Occasional Assessment*

*Date* _____

*Signature* _____

*Surveyor to NIPPON KAIJI KYOKAI*

Attachment to the certificate No. *24EQ237VT*

Manufacturers / Models

| | |
|---|---|
| Danelec Marine A/S | DM100, DM200, DM300, DM400, DM500 |
| Japan Radio Co., Ltd. | JCY-1000, JCY-1700, JCY-1700S, JCY-1800, JCY-1850, JCY-1900, JCY-1950 |
| Rutter Technologies Inc. | VDR-100G2, VDR-100G3 |
| Netwave Systems B.V. | NW-4000 VDR, NW-4000 SVDR, NW-6000 VDR, NW-6000 SVDR |
| Furuno Electric Co., Ltd. | VR-7000 |
| MacGregor Germany GmbH & Co. KG | VDR G4, S-VDR G4e |
| AMI Marine (UK) Ltd. | VR2272B VDR/SVDR, X-Series VDR, X2 VDR, X2272 VDR/SVDR |
| Kelvin Hughes Limited | VDR-Ax, MDP-Ax |