NIPPON KAIJI KYOKAI

COPY

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

*Certificate No. :* **22EQ053VT**
*Approval No. :* **VT316**

THIS IS TO CERTIFY that

## MACKAY COMMUNICATIONS, CANADA Inc.

**7 Mellor Avenue Unit 16, Dartmouth, Nova Scotia, B3B 0E8, CANADA**

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 **5 October 2026**, 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 **21 January 2022**.

See the conditions for approval on the reverse.

NIPPON KAIJI KYOKAI

Y. Takao
General Manager
Material and Equipment Dept.

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 and applicable subsidiaries 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 6 October 2023 and 5 October 2024*

*Periodical Assessment*

*Date* July 16, 2024

*Signature*

*Surveyor to NIPPON KAIJI KYOKAI*

*Occasional Assessment*

*Date* _____

*Signature* _____

*Surveyor to NIPPON KAIJI KYOKAI*

Attachment to the certificate No. 22EQ053VT

Offices / Locations

| | |
|---|---|
| MACKAY COMMUNICATIONS, CANADA Inc. | Dartmouth, NS, Canada |
| | Burnaby, BC, Canada |
| | St. John's, NL, Canada |
| | Quebec, QC, Canada |

Manufacturers / Models

| | |
|---|---|
| Japan Radio Co., Ltd. | JCY-1700, JCY-1700S, JCY-1800, JCY-1850, JCY-1900, JCY-1950 |
| Furuno Electric Co., Ltd. | VR-3000, VR-3000S, VR-5000, VR-7000, VR-7000S |
| Danelec Marine A/S | DM100, DM200, DM300, DM400, DM500, DM100 G2 |
| Netwave Systems B.V. | NW-6000 VDR, NW-6000 SVDR |
| Kelvin Hughes Limited | MDP |
| Rutter Technologies Inc. | VDR-100G2, VDR-100G3 |
| Wärtsilä SAM Electronics GmbH | VDR 4360 |
| Transas Limited | SVDR 3100, SVDR 3200 |
| Samsung Heavy Industries Co., Ltd. | SVDR-N, SVDR-Pro, SVDR-3000 |