NIPPON KAIJI KYOKAI

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

*Certificate No. :* **25EQ020VT**
*Approval No. :* **VT157**

THIS IS TO CERTIFY that

## MASTER SYSTEMS L.L.C.

### P.O.BOX : 14045, AJMAN, UAE

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 **16 December 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 **16 January 2025**.

See the conditions for approval on the reverse.

NIPPON KAIJI KYOKAI

M. IRISAWA
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 17 December 2026 and 16 December 2027

*Periodical Assessment*

*Date* _____

*Signature* _____

*Surveyor to NIPPON KAIJI KYOKAI*

*Occasional Assessment*

*Date* _____

*Signature* _____

*Surveyor to NIPPON KAIJI KYOKAI*

Attachment to the certificate No. *25EQ020VT*

Manufacturers / Models

| | |
|---|---|
| Beijing Highlander Digital Technology Co., Ltd. | HLD-A2/S, HLD-B2/S2, HLD-VDR600, HLD-SVDR600 |
| Danelec Marine A/S | DM100, DM200, DM300, DM400, DM500, DM100 G2 |
| Tianjin Sealantern Electronics Co., Ltd. | SLT-18C |
| Simulation Tech Inc. (STI) | VDR 1000, VDR 1000S |
| Totem Plus Ltd. | Totem VDR, SVDR |
| AMI Marine (UK) Ltd. | VR2272B VDR/SVDR, X-Series VDR/SVDR, X2 VDR/SVDR |
| Qingdao Headway Technology Co., Ltd. | HMT-100 VDR, HMT-S100 S-VDR, HMT-100A VDR, HMT-S100A S-VDR |
| New Sunrise Co., Ltd. (NSR) | NVR-9000, NVR-9000S |
| Netwave Systems B.V. | NW-4000 VDR, NW-4000 SVDR, NW-6000 VDR, NW-6000 SVDR |
| Japan Radio Co., Ltd. | JCY-1800, JCY-1850, JCY-1900, JCY-1950 |
| MacGregor Germany GmbH & Co. KG | VDR G4 |
| Furuno Electric Co., Ltd. | VR-3000, VR-3000S, VR-5000, VR-7000, VR-7000S |
| Wuxi Brightsky Electronic Co., Ltd. | VDR-100LT |
| Hyundai Heavy Industries Co., Ltd. | HiVDR, HiVDR-E |
| Ocean Voyager Marine Electronics Systems | DR-100S |
| Rutter Technologies Inc. | VDR-100G2, VDR-100G2S, VDR-100G3, VDR-100G3S |

Offices and Subsidiaries / Locations

| | |
|---|---|
| MASTER SYATEMS L.L.C. | Ajman, U.A.E.<br>Abu Dhabi, U.A.E.<br>Fujairah, U.A.E.<br>Hidd, BAHRAIN<br>Doha, QATAR<br>Dammam, SAUDI ARABIA |