



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

Certificate No. : **16EQ826VT**
Approval No. : **VT292**

THIS IS TO CERTIFY that

maresystems GmbH
Kupferhammer 7, 22399 Hamburg,
GERMANY

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 **24 April 2021**, subject to periodical surveillance, and in association with the appendix to this certificate on which the applicable items to this approval are listed.

This certificate was issued at Tokyo on 24 August 2016.

Due range of the periodical surveillance : **25 April 2018 to 24 April 2019**

NIPPON KAIJI KYOKAI



(T. Imamura)
General Manager

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.

Periodical / Occasional *Date* _____
Surveillance

Signature _____
Surveyor to NIPPON KAIJI KYOKAI

Periodical / Occasional *Date* _____
Surveillance

Signature _____
Surveyor to NIPPON KAIJI KYOKAI

Periodical / Occasional *Date* _____
Surveillance

Signature _____
Surveyor to NIPPON KAIJI KYOKAI



APPENDIX TO CERTIFICATE OF APPROVAL
Certificate No. 16EQ826VT

maresystems GmbH

The following items are applicable to the above firm under the certificate bearing the above certificate number.

Offices / Locations

maresystems GmbH	Hamburg, GERMANY
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Manufacturers / Models

Rutter	VDR100-G1
Sam Electronics GmbH	VDR4300, VDR4330, VDR4340, VDR4350 & VDR4360
Interschalt maritime systems AG	MER, MER-VDR, MER-SVDR, MER-SVDR-C, VDR G4 & VDR G4e
Beijing Highlander	HLD-A, HLD-A1, HLD-A2, HLD-S, HLD-B2, HLD-S2 & VDR-600
Simulation Technology (STI)	VDR-1000 & VDR-1000S
Qingdao Headway	HMT-100, HMT-S100
Samsung Heavy Industries	SVDR-3000, SVDR-PRO, SVDR-N & SVDR-O
Hyundai Heavy Industries	HiVDR & HiVDR-E

Engineers

Michael Steinbach	Supervisor/Operator
Johannes Stange	Operator
Bernd Brockmeyer	Operator

This appendix was originally issued on 24 August 2016
 revised on - - - - - , and
 is valid until 24 April 2021.