CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

No. : HDOVR-0028-25

This is to certify that

Mackay Communications, Inc.

Address : Plaza 24F, 4782SK, Moerdijk, The Netherlands

is approved as a service supplier to provide the following service under Guidance for Approval of Service Suppliers and the relevant requirement of the society rule.

Scope of service

The Annual Performance Testing of Voyage Data Recorders(VDR) and simplified Voyage Data Recorders(S-VDR)

This certificate is valid until **2028.03.28**

Issued at **Busan** on **2026.10.22**

See the appendix for details regarding manufacturer authorizations, etc

KOREAN REGISTER

General Manager of
Survey Team

TERMS AND CONDITIONS

A. The Responsibility and Duty of the Registered Company

(1) The operator who carries out the service shall possess the appropriate license issued by the Government or have equivalent qualifications.
(2) The registered company shall be responsible for ensuring the safety of the operator from any danger which can arise during operation.
(3) The registered company shall check the equipment to ensure the proper functioning of the equipment before operation.
(4) The registered company, if necessary, shall have the equipment calibrated by authorized organizations in order to maintain the required accuracy within the period prescribed in the standard, and have the contents recorded and maintained.
(5) The registered company shall keep a copy of the service report submitted to this Society and applicant for at least 5 years.
(6) The registered company shall notify this society immediately of any alterations of the condition at the time of the approval, including changes of staff and of any entries on this certificate.

B. Confidentiality

The detail information acquired during the job shall not be disclosed or released to third party without permission of the applicant or this Society.

C. Scope and Limitation

The extent of engagement is limited to the scope stated on this Certificate unless attached otherwise.

D. Renewal of the Approval

Renewal audit should be carried out within 3 months before the expiry date of Certificate. However, the validity of new Certificate will be started from the next day of expiry date of previous Certificate.

E. Cancellation of Approval

The approval may be cancelled in cases:
(1) Where the service provided is improperly carried out or the results are improperly reported.
(2) Where the Society's surveyor has found major deviations in the operating system of the firm.
(3) Where the supplier fails to inform of any alteration to the operation system to this Society.
(4) Where occasional audit, when deemed necessary by this Society, has not been carried out.
(5) Where wilful acts or omissions are ascertained.
(6) Where the approval fees are not paid.

APPENDIX I

No. : HDOVR-0028-25

A) This certificate includes agents/subsidiaries of Mackay Marine as follow.
- (Appendix I)

B) This service supplier has been certified or licensed to service the particular makes and models of equipment listed in the appendix.

* Manufacturer(s) of (S)VDR / Model

- JRC / (VDR: JCY-1000,1700,1800,1700S,1850,1900,1950)
- FURUNO / (VR3000,3000S,5000,7000)
- Danelec / (DM100 S-VDR, DM100 S-VDR G2,DM100 S-VDR G3, DM200 S-VDR, DM300 S-VDR, DM100 VDR, DM100 VDR G2, DM100 VDR G3,DM400 VDR, DM500 VDR, MER-VDR, MER-SVDR, VDR G4, S-VDR G4e, SVDR G4e)
- Sperry Marine / (Vdr Ii/Iii, Svdr Ii/Iii)
- Samsung / (SVDR, SVDR-N, SVDR-PRO, SVDR-3000)
- Broadgate / (Vdr: Ver3000,4000)
- Transas / (S-VDR 3100/3200)
- Kelvin Hughes / ((Manta Digital Processor Voyage Data Recorder, Manta Digital Display Voyage Data Recorder)
- Netwave / (VDR: G2, G3, NW4000, NW4000S, NW6000)
- Rutter / (VDR: VDR100/100G2/100G3, SVDR: VDR100G2S/100G3S)
- AMI / (VR2272/2272B/2272B-S/X/X2)
- BJ Highlander / (VDR-A2/S, B2/S2, 600)
- Interschalt / (G4/G4e)
- SAL Navigation(SVF-200, SVS-200)
- NSR (NVR9000 / NVR9000S)
- Seas of Solutions / (NW6000, NW6000S, VDR100 G2/G3 Retrofit to NW6000)

Reference

Endorse

APPENDIX I

No. : HDOVR-0028-25

Company : Mackay Marine (New York)
Address : 165 Fieldcrest Avenue Edison, NJ 08837
Tel : +1 732 225 0909
Fax : +1 732 225 2848
E-mail : newyork@mackaymarine.com
Country : UNITED STATES OF AMERICA
City : NEWYORK
KR-Branch : NYK

Company : Mackay Marine (Norfolk)
Address : 1720 Lambert Ct Suite H Chesapeake, VA 23320
Tel : +1 757 548 8900
Fax : +1 757 410 3254
E-mail : norfolk@mackaymarine.com
Country : UNITED STATES OF AMERICA
City : NORFOLK
KR-Branch : NYK

Company : Mackay Marine (Houston)
Address : 921 Seaco Avenue Deer Park, TX 77536
Tel : +1 281 479 1515
Fax : +1 281 478 6741
E-mail : houston@mackaymarine.com
Country : UNITED STATES OF AMERICA
City : HOUSTON
KR-Branch : HOU

Reference

Company : Mackay Marine (New Orleans)

Address : 1305 Distributors Row, Suite D, Harahan Louisiana 70123

Tel : +1 504 733 5824

Fax : +1 504 734 8535

E-mail : nola@mackaymarine.com

Country : UNITED STATES OF AMERICA

City : New Orleans

KR-Branch : NOS

Company : Mackay Marine (Seattle/Tacoma)

Address : 5007 Pacific Hwy. E., Suite 23 Tacoma, WA 98424

Tel : +1 253 922 6260

Fax : +1 253 922 6619

E-mail : seattle@mackaymarine.com

Country : UNITED STATES OF AMERICA

City : Seattle/Tacoma

KR-Branch : LOX

Company : Mackay Marine (Vancouver)

Address : Suite 210 2999 Underhill Ave Burnaby, BC V5A 3C2 Canada

Tel : +1 604 435 1455

Fax : +1 604 435 2231

E-mail : vancouver@mackaymarine.com

Country : CANADA

City : Vancouver

KR-Branch : LOX

Company : Mackay Marine (San Francisco)

Address : 3065 Richmond Parkway, Suite 104 Richmond, CA 94806

Tel : +1 510 669 9560

Fax : +1 510 669 9562

E-mail : sf@mackaymarine.com

Country : UNITED STATES OF AMERICA

City : San Francisco

KR-Branch : LOX

SUPERSEDED

Company	:	Mackay Marine (Los Angeles)
Address	:	1891 N. gaffey St., Suite D San Pedro, CA 90731
Tel	:	+1 310 519 7539
Fax	:	+1 310 519 7630
E-mail	:	la@mackaymarine.com
Country	:	UNITED STATES OF AMERICA
City	:	Los Angeles
KR-Branch	:	LOX

Company	:	Mackay Marine (Antwerp)
Address	:	Noorderlaan 109-3 2030 Antwerpen Belgium
Tel	:	+32 3 808 3963
Fax	:	+32 3 808 3964
E-mail	:	antwerp@mackaymarine.com
Country	:	BELGIUM
City	:	Antwerp
KR-Branch	:	RTD

Company	:	Mackay Marine (Miami)
Address	:	11360 Interchange Circle North Miramar, Florida 33025
Tel	:	+1 954 431 7223
Fax	:	+1 954 885 1614
E-mail	:	miami@mackaymarine.com
Country	:	UNITED STATES OF AMERICA
City	:	Miami
KR-Branch	:	NOS

Company	:	Mackay Marine (Charleston)
Address	:	4208-A Pace Street N. Charleston SC 29405
Tel	:	+1 843 747 6250
Fax	:	
E-mail	:	charleston@mackaymarine.com
Country	:	UNITED STATES OF AMERICA
City	:	Charleston
KR-Branch	:	NYK

Company : Mackay Marine (Jacksonville)

Address : 9655 Florida Mining Blvd Bldg 300, Suite 304 Jacksonville, FL 32257

Tel : +1 904 880 4633

Fax : +1 904 880 4634

E-mail : Jacksonville@mackaymarine.com

Country : UNITED STATES OF AMERICA

City : Jacksonville

KR-Branch : NOS

Company : Mackay Marine (Savannah)

Address : 4208-A Pace Street N. Charleston SC 29405

Tel : +1 912 354 4542

Fax :

E-mail : savannah@mackaymarine.com

Country : UNITED STATES OF AMERICA

City : Savannah

KR-Branch : NOS

Company : Mackay Marine (Tampa)

Address : 4951B East Adamo Drive Suite 234 Tampa, FL 33605

Tel : +1 813 229 0080

Fax : +1 813 223 3416

E-mail : tampa@mackaymarine.com

Country : UNITED STATES OF AMERICA

City : Tampa

KR-Branch : NOS

Company : Mackay Marine (Panama)

Address : Pan Canal Plaza Room 207 Albrook, Panama City Republic of Panama

Tel : +507 315 0697

Fax : +507 315 1061

E-mail : panama@mackaymarine.com

Country : PANAMA

City : Panama City

KR-Branch : HOU

Company	:	Mackay Marine (Singapore)
Address	:	2 Corporation Road , #05-12 , Lobby A , Corporation Place , Singapore 618494
Tel	:	+65 6686 2806
Fax	:	+65 6314 4684
E-mail	:	singapore@mackaymarine.com
Country	:	SINGAPORE
City	:	Singapore
KR-Branch	:	SGP

Company	:	Mackay Marine-Hong Kong limited
Address	:	Unit 08, 6/Fl, Tower 1, Magnet Place, 77-81 Container Port Rd, Kwai Chung, Hong Kong
Tel	:	+852 3956 4788
Fax	:	+852 3956 4786
E-mail	:	hongkong@mackaymarine.com
Country	:	HONG KONG (CHINA)
City	:	Hong Kong
KR-Branch	:	GZU

Company	:	Mackay Marine (Hamburg) Germany Gmbh
Address	:	Gutenbergring 67B 22848 Norderstedt, Germany
Tel	:	+49 40 66892140
Fax	:	+49 040 5477 4649
E-mail	:	hamburg@mackaymarine.com
Country	:	GERMANY
City	:	Hamburg
KR-Branch	:	HMB

Company	:	Mackay Marine China
Address	:	Room 127, Bldg6, 787 Kang Qiao Rd, Pudong New Area, China 201315
Tel	:	+86 21 6190 0683
Fax	:	+86 21 6190 0685
E-mail	:	china@mackaymarine.com
Country	:	CHINA
City	:	Shanghai
KR-Branch	:	SHI

Company	:	Mackay Marine Pvt. Ltd.
Address	:	Unit no.1205/06/07,12th floor, E-Wing, Lodha Supremus, i-Think Techno Campus, Kanjurmarg (East), Mumbai-400042, INDIA
Tel	:	+91 22 65299601
Fax	:	
E-mail	:	india@mackaymarine.com
Country	:	INDIA
City	:	Mumbai
KR-Branch	:	MBI

Company	:	MACKAY DO BRAZIL - RIO
Address	:	Av. Embaixador Abelardo Bueno 3500 Suites 713 / 724 Barra Da Tijuca / RJ CEP : 22775-040 RIO
Tel	:	+55-21-3410-8803
Fax	:	
E-mail	:	brazil@mackaymarine.com
Country	:	BRAZIL
City	:	Rio de janeiro
KR-Branch	:	SAO

Company	:	Mackay Marine (Santos Brazil)
Address	:	RUA Odair Muller Marques 88 Sao Vicnete/ Santos Brazil
Tel	:	+ 55 13 99613-3641
Fax	:	
E-mail	:	brazil@mackaymarine.com
Country	:	BRAZIL
City	:	Santos
KR-Branch	:	SAO

Company	:	Mackay Marine (Sao Luiz, Brazil)
Address	:	Rua dos Bicudos 3 QD 21 / Sao Luis , Brazil
Tel	:	+ 55 22 998014580
Fax	:	
E-mail	:	brazil@mackaymarine.com
Country	:	BRAZIL
City	:	Sao Luis
KR-Branch	:	SAO

Company : Mackay Marine (Middle East)

Address : #1403, Al Hilal Business Tower, Al Hilal City, Sakamkam, P. O Box 51900, Fujairah, UAE

Tel : +97192364433

Fax :

E-mail : middleeast@mackaymarine.com

Country : UNITED ARAB EMIRATES

City : Fujairah

KR-Branch : DBI

Company : Mackay Marine (Spain-A)

Address : Valencia- Plaza Ejercito Espanol, Num 13, Planta 16, 46980, Paterna, Valencia, Spain

Tel : +34 664422577

Fax :

E-mail : Spain@mackaymarine.com

Country : SPAIN

City : Valencia

KR-Branch : MAD

Company : Mackay Marine (Halifax)

Address : 7 Mellor Ave, Unit 16, Dartmouth, NS B3B0E8, Canada

Tel : +1902 468 8480

Fax :

E-mail : Halifax@mackaymarine.com

Country : CANADA

City : Halifax

KR-Branch : LOX

Company : Mackay Marine (New Foundland)

Address : 29 Hallet Crescent, St. Johns, NL A1B 4C4, Canada

Tel : +1709 726 2422

Fax :

E-mail : StJohns@mackaymarine.com

Country :

City : St John ' s

KR-Branch : LOX

Company : Mackay Marine (Quebec City)

Address : 1005 St-Jean-Baptiste Ave Suite 120, Quebec QC G2E 5L1

Tel : +1418 614 0782

Fax :

E-mail : Quebec@mackaymarine.com

Country : CANADA

City : Quebec City

KR-Branch : LOX

Company : Mackay Marine Spain S.L. (Algeciras, Valencia, Santander and Las Palmas)

Address : Calle Oceano Atlantico, 9, 11379, Palmones, Los Barrios, Cadiz

Tel : +34 618 517 662

Fax :

E-mail : Spain@mackaymarine.com

Country : SPAIN

City : Algeciras

KR-Branch : MAD

Company : Mackay Marine United Kingdom

Address : Unit B3 Mill Court, Spindle Way, Crawley, RH10 1TT

Tel : + 44 1737 372679

Fax :

E-mail : service.uk@mackaymarine.com

Country : UNITED KINGDOM

City : London

KR-Branch : LDN

Company : Mackay Marine South Africa (Pty) Ltd

Address : 2 Milner Street, Metro Industrial, 7405 Cape Town, South Africa

Tel : +27 21 276 1240

Fax :

E-mail : southafrica@mackaymarine.com

Country : SOUTH AFRICA

City : CAPE TOWN

KR-Branch : DBN

Company	:	Mackay Marine Denizcilik Limited Sirketi(Turkey)
Address	:	Guzelyah Mah. Safran Sok. No:3 34903 Pendik, Istanbul / Turkey
Tel	:	+90 216 206 0206
Fax	:	
E-mail	:	turkey@mackaymarine.com
Country	:	TURKEY
City	:	ISTANBUL
KR-Branch	:	IST

Company	:	Mackay Marine Egypt LLC
Address	:	Tersanah, Investors Service Building 1-Floor 2-Unit 2, Port Said, Egypt
Tel	:	+20 66 3210301
Fax	:	
E-mail	:	Egypt@mackaymarine.com
Country	:	EGYPT
City	:	Port Fouad City
KR-Branch	:	ATN

Reference