NIPPON KAIJI KYOKAI

# *CERTIFICATE OF APPROVAL FOR FIRMS ENGAGED IN MAINTENANCE, THOROUGH EXAMINATION, OPERATIONAL TESTING, OVERHAUL AND REPAIR OF LIFEBOATS, RESCUE BOATS, FAST RESCUE BOATS, LAUNCHING APPLIANCES AND RELEASE GEAR*

*Certificate No. :* **24TZ536**
*Approval No. :* **24LA027**

THIS IS TO CERTIFY that

## HARMONY OCEAN INTERNATIONAL LIMITED

**No.1 Dacheng Fourth Road, High tech Park, Zhoushan City, Zhejiang Province, P.R. CHINA**

is approved as a firm engaged in the servicing and maintenance of lifeboats, launching appliances, on-load release gear and automatic release hooks under the Society's Rules for Approval of Manufacturers and Service Suppliers incorporating IACS UR Z17, as amended.
This certificate is valid until **12 December 2029** subject to periodical assessment.

Issued at Tokyo on 13 December 2024.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI

(M. Inoue)
General Manager of Survey Department

ClassNK

*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 Periodical Assessment:* *between 13 December 2026 and 12 December 2027*

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|---|---|---|
| *Periodical Assessment* | *Date* | _____ |
| | *Signature* | _____ |
| | | Surveyor to NIPPON KAIJI KYOKAI |
| *Occasional Assessment* | *Date* | _____ |
| | *Signature* | _____ |
| | | Surveyor to NIPPON KAIJI KYOKAI |

Conditions for Approval:

1. This Certificate is valid subject to validity of certificate for personnel issued for each make and type of the equipment listed in the attachment.
2. This service supplier has been approved to service the equipment listed in the attachment in accordance with MSC. 402(96).
3. The service has been properly conducted and reported in accordance with the requirements of the Rules and the relevant Regulations.
4. Where there is any alteration to the service approved by this certificate, the Firm should notify immediately to the Society.

Attachment to
Certificate Number 24TZ536

| Make | Type |
|---|---|
| Ningbo Asia F.R.P Boat Manufaturing Co., Ltd. | **Rescue Boat**<br>- YZ4.5, YZ4.5S, YZ4.5SA, YZ45R, YZ45R1<br>**Fast Rescue Boat**<br>- YZ60RA, YZ60RB, YZ60RA1, YZ60RB1<br>**Totally Enclosed Lifeboat/Rescue Boat**<br>- YZ50C, YZ50F, YZ65C, YZ65F, YZ65CS, YZ65FS, YZ75C, YZ75F, YZ50CS, YZ65C1, YZ65ZS1, YZ50FS, YZ65F1<br>**Free Fall Lifeboat**<br>- YZ49FC, YZ49FF, YZ59FC, YZ59FF, YZ60FC, YZ60FF, YZ675FC, YZ675FF<br>**Gravity Luffing Arm Davit**<br>- L25, L50, YZL-55, L65, L65S, LE85-1<br>**Electrical Lifeboat/Rescue Boat Winch**<br>- DS25, DZ25, DS40, DS/Z40, YZD-42S, YZD-42Z, DS58, DZ58, D50S, D50Z, D63S, D63Z<br>**Single Arm Rescue Boat/Liferafts Boat Launching Appliance & Crane**<br>- ZF21/15 DZ14, ZF21 DZ14, ZF23/15 DZ14, ZF23 DZ14, ZF33 DZ25, B21/14, B21/14-2.5<br>**Handle Slewing Liferaft Davit**<br>- ZF25 DZ25<br>**Free Fall Lifeboats Launching Appliance**<br>- YZF55, YZF70<br>**Rescue Boat Launching Appliance**<br>- YZ-A30, YZ-A30D<br>**Release Mechanism**<br>- HK40, HK40B, YZHK40, YZHK40S, FHK40, PS-1, YZ-HB15 |
| Wuxi Huahai Marine Equipment Factory | **Gravity Luffing Arm Davit**<br>- HML60, HML85<br>**Free-fall Lifeboat Launching Appliance**<br>- HMD55F, HMD70F<br>**Rescue Boats/liferafts Launching Appliances**<br>- 21kN manual, 21kN Electrical, 25kN Electrical, 21kN Electrical hydraulic, 25kN Electrical hydraulic, 32kN Electrical hydraulic<br>**Electrical Boat Winch**<br>- HMW21, HMW25, HMW50, HMW75, HMW100, HMW110, HMW140, HMW185<br>**Rescue Boats Launching Appliances**<br>- HMD14A, HMD30A, HMD30A2 |
| Wuxi Wenjiao G. F. R. P. Factory | **Totally Enclosed Life/Rescue Boat**<br>- WJB50F, WJB50C, WJ57F, WJ57C, WJ58F, WJ58C, WJ75F, WJ75C |

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| | **Free Fall Lifeboat**<br>- WJ59FF, WJ59FC, WJ67FF, WJ67FC<br>**Rescue Boat**<br>- WJ40R, WJ45KR, WJ45D3, WJ45D, WJ55D, WJ60RA, WJ60RB, WJJZ45<br>**Life Boat**<br>- WJ45D, BJ55, BJ60, BJ65, BJ70, BJ75, BJ80, BJ85<br>**Release Hook**<br>- WJHK40, WJ30HK, WJHK55, WJ63HKC, WJ67HK, WJ40 |
| Wuxi Mingzi Machinery Manufacturing Co., Ltd | **Lifeboat Hook Release Mechanism**<br>- HK40, WHK40, WHK65<br>**Davit-launched Rescue Boat Manual Release Hook**<br>- 15KN(150-T)<br>**Davit-launched Life Raft Manual Release Hook**<br>- 21-25KN(250-T)<br>**Life Raft/Rescue Boat Manual/Automatically Release Hook**<br>- 31-37KN(370-T) |
| SHEYANG VICTOR MARINE AUXILIARIES CO., LTD. | **Electric Lifeboat/Rescue Boat Winch**<br>- WLT/DZA14, WLT/DSA25, WLT/DZA25, WLT/DS.Z36, WLT/DSA40, WLT/DZA40, WLT/DS.Z48, WLT/DS/ZA50, WLT/DS.Z55, WLT/DZA70(P), WLT/DS.Z70, WLT/DSZ90, WLT/DS/ZA100, WLT/DS/ZA100(P)<br>**Gravity Luffing Arm Type Davit**<br>- WLT/LA25, WLT/AS33, WLT/LA40, WLT/LZA50, WLT/LA50, WLT/LA56, WLT/R60, WLT/LA60, WLT/LA70, WLT/LA90, WLT/LA100, WLT/AS110, WLT/LA120<br>**A Type Davit**<br>- WLT/LR36<br>**Platform Type Davit**<br>- WLT/PL5, WLT/PL90, WLT/PL110<br>**Freefall Launching Appliance**<br>- WLT/FH55, WLT/FH70<br>**Manual Crane**<br>- WLT/SQ21-2<br>**Single Arm Boat/Raft & Provision Davit**<br>- WLT/SA21/15<br>**Hydraulic Gravity Luffing Arm Type Davit**<br>- WLT/SA25<br>**Boat/Raft Davit & Luffing Crane**<br>- WLT/SA21, WLT/ESC23-6m<br>**Multifunctional Hydraulic Telescopic Slewing Crane**<br>- WLT/YESC3t<br>**Hydraulic Crane and Boat/Raft Landing Device**<br>- SWLTA21-3t-6m |

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