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. : **23TZ504**
Approval No. : **18LA033**

THIS IS TO CERTIFY that

FIRETRACE SAFETY TEC PTE LTD

5 SOON LEE STREET #03-01 PIONEER POINT SINGAPORE

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 **10 September 2028** subject to periodical assessment.

Issued at Tokyo on 25 September 2023.

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 11 September 2025 and 10 September 2026*

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 23TZ504

Make	Type
JIANGYINSHI BEIHAI LSA CO., LTD.	**Boat** - Series of SC, JYB **Hook** - Series of HK **Davit** - Series of SM, SAC, SA, FA, LB, LA, BHGH, PD, FRH, EHRD, SRH, BHGP, RB, HB, HDC, ESAD **Winch** - Series of D, DW, HW, JYBW, FFW
Wuxi Dongwu Marine Equipment Co., Ltd	**Gravity Luffing Arm Davit** - 18kN, 25kN, 40kN, 50kN, 60kN, 60kN(60L), 85kN, 110kN, T2.5, Sk50 **Gravity Sliding Track Davit** - 25kN, 30kN **Free-fall Lifeboat Launching Appliance** - F55, F70, NPT100F **Rescue Boats/liferafts Launching Appliances** - 21kN manual, 21kN Electrical, 21kN Electrical/hydraulic, 25kN Electrical/hydraulic, 35kN Electrical/hydraulic, DWC210 **Rescue Boats Launching Appliances** - A30, H35 **Life Boat Winch** - DS*ZY25, DS*ZY40, D50S, DS*ZY63, D63S, 80kN(life) **Life/Rescue Boat Winch** - DZY/Z21, DZ*ZY25, DZ*ZY40, D50Z, DZ*ZY63, D63Z, 80kN(rescue)
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (ex. Jiangyin Xinjiang F.R.P. Co., Ltd.)	**Free Fall Lifeboat** - JY-FN-4.9, JY-FF-4.9, JY-FN-5.8, JY-FF-5.8, JYM-FN-6.65, JYM-FF-6.65, JY-FN-6.8, JY-FF-6.8, JY-FN-7.5, JY-FF-7.5, JY-FN-8.5, JY-FF-8.5, JY-FN, FF-9.5 **Rescue Boat** - GJ4.2, GJ4.25, GJ4.5, GJ5.0, GJ5.25, GJ6.0B-1, GJ6.10, GJ7.50, GJ8.0Q-2, GJ8.5Q-2 **Totally Enclosed Lifeboat** - JY-QFP/N-5.0, JY-QFP/N-5.25, JY-QFP/N-5.6, JY-QFP/N-6.0A, JY-QFP/N-6.50, JY-QFP/N-7.0, JY-QFP/N-7.5, JY-QFP/N-7.50A, JY-QFP/N-8.00, JY-QFP/N-8.50, JY-QFP/N-8.50X, JY-QFP/N-9.35, JY-QFP/N-10.90A **Hook** - JX and JXN Series

	Gravity Luffing Arm Type Davit - JYL52, JYL55, JYL65, JYL68, JYL85, JYL105, JYL135 **Launching Appliance** - JYF55, JYF75, JYF75-A, JYF75-B, JYF90 **Platform Davit** - JYP65, JYP85, JYP105, JYP135 **Single Arm Davit** - JYR21, JYR21S-A, JYRC21, JYR14, JYRH14, JYRH21, JYR26, JYR30, JYR23 **Electric Boat Winch** - FW45, JYW42, JYW50, JYW70, JYW100, JYWP70, JYWP100, JYWP135, JYW35, JYRZ21
Jiangyin Wolong F.R.P Boat Co., Ltd.	**Totally Enclosed Lifeboat** - JY50C/F, JY50CA/FA, JY57C/F, JY60C/E/F, JY65C/F, JY70C/F, JY80C/F, JY80CA/FA, JY85C/F, JY85CA/FA, JY85CB/FB, JY93C/F, JY102/F, JY117C/F **Free Fall Lifeboat** - JY49CF/FF, JY59CF/FF, JY67CF/FF, JY85CF/FF, JY109CF/FF **Rescue Boat** - JY40KR, JY42KR, JY45DR, JY45KR, JY50R, JY54KR, JY60KR, JY65KR, JY75KR, JY85KR **Partially Enclosed Lifeboat** - JY70P, JY80P, JY85P **Open Type Lifeboat** - JY45KR, JY55K, JY65K, JY70K, JY75K, JY80K, JY85K **Gravity Luffing Arm Type Davit** - JY-LE14, JY-LE65, JY-LE85, JY-LE100, JY-LE150 **Launching Appliance of Free-Fall Lifeboat** - JY-FH55, JY-FH70, JY-FH90, JY-FH155 **Platform Davit** - JY-PL70, JY-PL110, JY-PL150, JY-PL185, JY-PL215 **Single Arm Boat/Raft Davit** - JY-SAF21, JY-SAF23, JY-SA23S, JY-SA37S, JY-SR33S, JY-SAF33, JY-HSR23/16, JY-HSR33/23, JY-FCR2066, JY-FCR2305 **Rescue Boat Davit** - JY-PLR21, JY-LFR27, JY-LRHE30, JY-LRHE70, JY-LFR35, JY-SAP14, JY-SAP30, JY-LRHE18 **Gravity Overhead Rolling Type Davit** - JY-HE70, JY-HE95, JY-HE120, JY-HE155 **Telescopic Boom Type Davit** - JY-TBD 120, JY-TBD 215, JY-TBD35 **Hydraulic Luffing Arm Type Davit** - JY-GYE70, JY-GYE120, JY-GYE185 **Connecting Rod Type Davit** - JY-GL70, JY-GL95, JY-GL120, JY-GL185

	Winch - JY-SAP14, JY-D23Z, JY-D23/16Z, JY-SAFC23, JY-D33/23Z, JY-SAF33, JY-LRHE30, JY-PLR21, JY-LFR27, JY-LRHE70, JY-D50S/Z, JY-D70S/Z, JY-D85S/Z, JY-D110S/Z, JY-DW125S, JY-DP110S/Z, JY-DP150/Z, JY-DP185, JY-DP215 **Release Mechanism of Lifeboat/Rescue Boat** - HK40, HK40A, HK50B, HK50A, FHK70, HK70, HK115, LB60MR, LB80MR, LB120MR, FHK80, FHK90, LB35MRS, LB70MRS
Wuxi Wenjiao G. F. R. P. Factory	**Totally Enclosed Life/Rescue Boat** - WJB50F, WJB50C, WJ57F, WJ57C, WJ58F, WJ58C, WJ75F, WJ75C **Free Fall Lifeboat** - WJ59FF, WJ59FC, WJ67FF, WJ67FC **Rescue Boat** - WJ40R, WJ45KR, WJ45D3, WJ45D, WJ55D, WJ60RA, WJ60RB **Life Boat** - WJ45D, BJ55, BJ60, BJ65, BJ70, BJ75, BJ80, BJ85 **Release Gear** - WJHK40, WJ30HK, WJ63HKC
Ningbo New Marine Lifesaving Equipment Co., Ltd.	**Rescue Boat & Fast Rescue Boat** - NM43R, NM45R, NM45RB, NM60R **Totally Enclosed Life/Rescue Boat** - NML50C, NM50C/F, NM58C/F, NM65C/F, NM75C/F, NM85C/F **Free Fall Lifeboat** - NM59FC/FF, NM67FC/FF **Single Arm Rescue Boat (Rafts) Davit (Crane)** - NMSD14KN, NMSD23KN, NMSD25KN, NMC25 **Rescue Boat Launching Appliance** - NMAR30, NMAR60, NM30 **Gravity Luffing Arm Davit** - NMD25KN, NMD40KN, NMD45KN, NMD55KN, NMD60KN, NMD65KN, NMD85KN, NMD120KN **Launching Appliance of Free Fall Lifeboat** - NMF55KN, NMF70KN **Platform Davit** - PD50, PD85, PD120 **Hydraulic Gravity Luffing Davit** - HLA85, HLA120 **Electric Lifeboat/Rescue Boat Winch** - NMW42L/R, NMW50L/R, D63S/Z, D80S/Z
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	**Gravity Davit** - LE55-1/65-1/85-1/100-1/138-1/170-1, HE65/85/100/138, H170, RE50/60/80/100, SRH65/85/100/120/150/170/200/230, GL65/85/110/138/165, TG65/85/110/150/170/200/230,

	HT80/100/150/210, LC400 **Launching Appliance Davit** - FH55/70/75/85/100 **Single Arm Davit and Crane** - SAF14/21, SAFC21/25, SA21/32, HDCL2-6.5/3-6/3-10, LA25/35, DH30 **Off-Shore Davit** - PL65/85/100/110/120/138/150/180/200/230 **Fastrescue Boat Davit** - LFR30/35/55, LFRH30/60, LEFR50, DH30, SAWH30/45/60 **Totally Enclosed Lifeboat** - YH5.0QFP/QFN, YH6.5QFP/QFN, YH8.5QFP/QFN/QFP-A/QFN-A, YH10.3QFP/QFN, YH9.5QFP/QFN, YH12.0QFP/QFN, YH9.9BFP, YH12.5BFP, ZZHG-BF-12.5 **Free Fall Lifeboat** - YH5.9FP/FN, YH6.7FP/FN, YH7.5FP/FN, YH8.5FP/FN **Fast Rescue Boat** - YH6.0FRA/FRB, YH6.5FRA/FRB **Rescue Boat** - YH4.5R/DR/RA, YH7.5 **Hook** - HK25/25B/40/40C/65, SH55/70/85, Handle release hook 15KN, Automatic release hook 21KN/23KN/25KN/35KN
Zhejiang Hengxin Ship Equipment Co., Ltd.	**Lifeboat** - BCC, BCF, BCFC, BCFF **Rescue Boat** - GJ, FRH, RH **Release Mechanism** - HK **Davit** - FH, SA, HDC, LFR, LR, HE, PD, SRH, LB, KN **Winch** - DZB, D, DW
Wuxi Mingzi Machinery Manufacturing Co., Ltd	**Lifeboat Hook Release Mechanism** - HK40, WHK40, WHK65 **Davit-launched Rescue Boat Manual Release Hook** - 15KN(150-T) **Davit-launched Life Raft Manual Release Hook** - 21-25KN(250-T) **Life Raft/Rescue Boat Manual/Automatically Release Hook** - 31-37KN(370-T)
SHEYANG VICTOR MARINE AUXILIARIES CO., LTD.	**Electric Lifeboat/Rescue Boat Winch** - 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)

	Gravity Luffing Arm Type Davit - 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 **A Type Davit** - WLT/LR36 **Platform Type Davit** - WLT/PL5, WLT/PL90, WLT/PL110 **Freefall Launching Appliance** - WLT/FH55, WLT/FH70 **Manual Crane** - WLT/SQ21-2 **Single Arm Boat/Raft & Provision Davit** - WLT/SA21/15 **Hydraulic Gravity Luffing Arm Type Davit** - WLT/SA25 **Boat/Raft Davit & Luffing Crane** - WLT/SA21, WLT/ESC23-6m **Multifunctional Hydraulic Telescopic Slewing Crane** - WLT/YESC3t **Hydraulic Crane and Boat/Raft Landing Device** - SWLTA21-3t-6m
Wuxi Huahai Marine Equipment Factory	**Gravity Luffing Arm Davit** - HML60, HML85 **Free-fall Lifeboat Launching Appliance** - HMD55F, HMD70F **Rescue Boats/liferafts Launching Appliances** - 21kN manual, 21kN Electrical, 25kN Electrical, 21kN Electrical hydraulic, 25kN Electrical hydraulic, 32kN Electrical hydraulic **Electrical Boat Winch** - HMW21, HMW25, HMW50, HMW75, HMW100, HMW110, HMW140, HMW185 **Rescue Boats Launching Appliances** - HMD14A, HMD30A, HMD30A2, HMCD1007
Wuxi Xingsheng Gear Case Factory	**Rescue Boat Release Hook** - 15kN **Liferaft Automatic Release Hook** - 21/25kN **Automatic Release Hook for Davit Launched Liferaft & Rescue Boats** - 35kN

Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co., Ltd	**Totally Enclosed Lifeboat** - BH-5, 5A, 5S, 5SA, E500, E585, 6, 6A, 6S, E670, 7A, 7B, 8 **Freefall Lifeboat** - BH-F6.0, F7.0A, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900A **Rescue Boat** - BH-R4, R4S, R4SA, R5S, HR6, HR7 **Gravity Pivot Davit** - BD-PV50, PV60, PV60S, PV85, PV125 **Freefall Launching Davit** - BD-FF55, 55A, 55R, FF80, 80A, 80R, 80B, FF65/66/67, FF85 **Single Arm Davit** - BD-SA14/A/B, 21/A, 23/30/A, 33, SH23, FA36, RBD966 **Winch** - BW-H(L/R)31, 50, 63, 75, L(L/R)75, 125, SC14, 21 **Gravity Lifeboat Release Mechanism** - BG-3, 3L, BG-7, BH-HOOK3, HOOK5, FS5, FS7 **Freefall Lifeboat Release Mechanism** - BG-3.5F, 4F, 4.5F, 4.5FL, 5F, 6F **Rescue Boat Release Mechanism** - BG-2R, WUXI XINGSHENG 15, 21, 23, 25, 35KN HOOK
Wuxi Haidelong Marine Equipment Co., Ltd.	**Launching Appliances for Freefall Lifeboats** - HDL70FA MED/1.23 **Winch for Survival Craft and Rescue Boats** - HDL70FA (Winch) MED/1.41 **Launching Appliances for Free-fall Lifeboats** - HDLZ0720 MED/1.23 **Winches for Survival Craft and Rescue Boats: (b) Free-fall Lifeboats** - HDLZ0720 (Winch) MED/1.41b **Launching Appliance Using Falls (Davit), Liferaft Launching Appliances (Davit)** - HDL415 (Davit) MED/1.21&1.24 **Winches for Survival Craft and Rescue Boats (Winch)** - HDL415 (Winch) MED/1.41 **Launching Appliances Using Falls (Davits) / Liferaft Launching Appliacnes (Davit)** - SA23 (Davit) MED/1.21&1.24 **Winches for Survival Craft and Rescue Boats Liferafts & Rescue Boats** - SA23(Winch) MED/1.41 (c), (d) **Launching Appliances for Rescue Boat & Liferaft** - HDLD21 MED/1.24 **Winches for Survival Craft and Rescue Boats Life Rafts / Winches for Survival Craft and Rescue Boats Rescue Boats** - HDLW21 MED/1.41
Wuxi Hai Hong Boat Making Co., Ltd.	**Totally Enclosed Life/Rescue Boat** - HH70C/HH70T(QFP7.0/QFN7.0), HH85CS/HH85TS(QFP8.5/QFN8.5),

	HH65CS/HH65TS(QFP6.5/QFN6.5), HH75CS/HH75TS(QFP7.5/QFN7.5), HH80CS/HH80TS(QFP8.0/QFN8.0), HH65C/HH65T (QFP(H)6.5/QFN(H)6.5), HH50C/HH50T, HH53C/HH53T(QFP(H)5.3), HH75C(QFP(H)7.5), HH85C/HH85T, HH57C/HH57T **Freefall Lifeboat** - HH59FC/HH59FF, HH76FC/HH76FF **Rescue Boat** - GJ4.5B/GJ4.5B1 **High Speed Rescue Boat** - GJ618A/GJ618B **Release Gear** - HH76/HH43/HH30/HH20

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