APPROVAL OF SERVICE SUPPLIERS

Certificate no.:
AOSS0000M1U
Revision no.:
1

This is to certify that

Pacific Safety Agency Pte Ltd

Singapore, Singapore

is granted acceptance for
Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear , in accordance with Class Programme DNV-CP-0484 and IACS UR Z17 Annex 1 [13].

This service supplier certificate will be accepted for use with all rule sets published by DNV.
See the following page(s) for details regarding application.

This Certificate is valid from **2026-10-16** to (inclusive) **2029-10-15**.

This Certificate is issued on **2026-09-29**.

for **DNV**

This document has been digitally signed and will therefore not have handwritten signatures

Ng, Ken Tong Ken

This Certificate may be withdrawn if:
1. The service provided has been improperly carried out or the results improperly reported.
2. The surveyor has found any deficiencies in the accepted operating systems of the service supplier.
3. The firm has failed to inform of any major changes having effect on the quality of the service rendered.
4. The conditions listed in the certificate are changed and/or are not fulfilled.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Application:

This Service Supplier is approved for maintenance, thorough examination, operational testing, overhaul and repair of the following equipment:
Part I - Employment and documentation of personnel certified in accordance with manufacturers' established certification programmes.

Manufacturer	Type	Model
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	Gravity davit	LE series, HE series, RE series, RC series, SRH series, GL series, TG series, HT series, LC series
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	Launching appliance davit	FH series
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	Single arm davit and crane	SAF series, SAFC series, SA series, HDCL series, LA series, SH series, DH series
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	Off-shore davit	PL series
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	Fast rescue boat davit	LFR series, LFRH series, SAWH series
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	Boat winch	D series (L/R or S/Z), DP series (L/R or S/Z)
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	Totally Enclosed Lifeboat	YH series QFP, YH series QFN, YH series QFP-A, YH series QFN-A, YH series BFP, ZZHG-BF-12.5
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	Free Fall Lifeboat	YH series FP, YH series FN
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	Fast Rescue Boat	YH series FRA, YH series, FRB YH series

CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	Rescue Boat	YH series R, YH series DR, YH series
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	Hook	HK series, SH series, Wuxi XS series, Handle release hook 15 KN, Automatic release hook 21KN/23KN/25KN/35KN
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Formerly: 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
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Formerly: Jiangyin Xinjiang F.R.P. Co., Ltd.)	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
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Formerly: Jiangyin Xinjiang F.R.P. Co., Ltd.)	Totally enclosed lifeboat	JY-QFP/N-5.0/JY-QFP/N5.25/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/N8.00/JY-QFP/N-8.50/JY-QFP/N8.50X/JY-QFP/N-9.35, JY-QFP/N-10.90A
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Formerly: Jiangyin Xinjiang F.R.P. Co., Ltd.)	Hook	JX and JXN series
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Formerly: Jiangyin Xinjiang F.R.P. Co., Ltd.)	Gravity luffing arm type davit	JYL52/JYL55/JYL65/JYL68/JYL85/JYL105, JYL135/JYL170
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Formerly: Jiangyin Xinjiang F.R.P. Co., Ltd.)	Launching appliance	JYF55/JYF75/JYF75-A/JYF75-B/JYF90
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Formerly: Jiangyin Xinjiang F.R.P. Co., Ltd.)	Platform davit	JYP65/JYP85/JYP105/JYP135
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Formerly: Jiangyin Xinjiang F.R.P. Co., Ltd.)	Single arm davit	JYR21/JYR21S-A/JYRC21/JYR14/JYRH14, JYRH21/JYR26/JYR30/JYR23
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Formerly: Jiangyin Xinjiang F.R.P. Co., Ltd.)	Electric boat winch	FW45/JYW42/JYW50/JYWN52/JYW70/JYW100, JYWP70/JYWP100/JYWP135/JYW35/JYRZ21
Jiangyinshi Beihai LSA Co., Ltd.	Boat	Series of SC, JYB
Jiangyinshi Beihai LSA Co., Ltd.	Hook	Series of JYBHK
Jiangyinshi Beihai LSA Co., Ltd.	Davit	Series of SM, SAC, SA, FA, LB, LA, BHGH, PD, FRH, EHRD, SRH, BHGP, RB, HB, HDC, ESAD
Jiangyinshi Beihai LSA Co., Ltd.	Winch	Series of D, DW, HW, JYBW, FFW

Oriental Inspection & Services Co., Ltd	Hinged Gravity Type Davit	HGD series, HGK series, SHS series, RTD series, DHA series, DMA series
Oriental Inspection & Services Co., Ltd	Hinged Gravity Type Winch	BWE series, SWE series, WL series
Oriental Inspection & Services Co., Ltd	Free fall Davit & Winch	FD series, WL series
Oriental Inspection & Services Co., Ltd	Rescue / Life-raft Davit & Winch	RD series, RDW series
Qingdao Beihai Boatbuilding Co., Ltd	Totally enclosed lifeboat	BH-5, 6, 7, 8, 9, 10 series, BH-E series
Qingdao Beihai Boatbuilding Co., Ltd	Freefall lifeboat	BH-F series
Qingdao Beihai Boatbuilding Co., Ltd	Rescue boat	BH-R series, BH-HR series
Qingdao Beihai Boatbuilding Co., Ltd	Davit (Gravity Pivot)	BD-PV series, BD-AR series
Qingdao Beihai Boatbuilding Co., Ltd	Davit (Offshore)	BD-PL series
Qingdao Beihai Boatbuilding Co., Ltd	Davit (Single arm)	BD-SA series, BH-SH series
Qingdao Beihai Boatbuilding Co., Ltd	Davit (Freefall launching)	BD-FF series
Qingdao Beihai Boatbuilding Co., Ltd	Winch	BW-H(L/R) series, L(L/R) series, SC series, YSB/INI hydraulic winch series
Qingdao Beihai Boatbuilding Co., Ltd	Release mechanism (Gravity lifeboat)	BG-3/3R/3L/7/10, BH-HOOK3/5, FS5/7/10/13
Qingdao Beihai Boatbuilding Co., Ltd	Release mechanism (Freefall lifeboat)	BG-3F, 3.5F, 4F, 4.5F, 4.5FL, 5F, 6F
Qingdao Beihai Boatbuilding Co., Ltd	Release mechanism (Rescue boat)	BG-2R, Wuxi XS series, Jimo CS series
Sheyang Saifute Marine Auxiliary Machinery Plant Jiangsu	Davit	1) Gravity luffing arm davit: 14KN/25KN/50KN, 60KN/90KN/100KN/120KN 2) Gravity sliding track davit: 15KN/40KN 3) Cross deck gravity sliding track davit: 30KN/110KN 4) Platform davit: 48KN/110KN 5) Freefall lifeboat launching appliance: 55KN/70KN
Sheyang Saifute Marine Auxiliary Machinery Plant Jiangsu	Launching Appliances	1) Single arm rescue davit: 10KN/14KN/SFTSA10DS 2) Single arm rescue boat/raft: 21KN/25KN/30KN/40KN 3) Life-raft: 15KN/21KN/25KN/35KN 4) Single arm rescue boat/raft & provision crane: 21KN 5) Hydraulic slewing boat-raft davit: SFT-14KN/FCD3T*10M/25KN*10M 6) Rescue boat davit: SFT-AFR25/AR32

Sheyang Saifute Marine Auxiliary Machinery Plant Jiangsu	Electrodynamic lifeboat/rescue boat winch	1) Ele. rescue boat winch: 14KN/25KN/40KN/D50Z/63KN/E100R/D100Z 2) Ele. lifeboat winch: 25KN/40KN/D50S/63KN/E70L/D100S/E100L
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/ZA110 (P)
Sheyang Victor Marine Auxiliaries Co., Ltd	Gravity Luffing Arm Type Davit	WLT/LA25; WLT/AS33; WLT/LA40; WLT/LZA50; WLT/LA50; WLTLA56; WLT/R60; WLT/LA60; WLT/LA70; WLT/LA90; WLT/LA100; WLT/AS110; WLT/LA120
Sheyang Victor Marine Auxiliaries Co., Ltd	A Type Davit	WLT/LR36
Sheyang Victor Marine Auxiliaries Co., Ltd	Platform Type Davit	WLT/PL5; WLT/PL90; WLT/PL110
Sheyang Victor Marine Auxiliaries Co., Ltd	Freefall Launching Appliance	WLT/FH55; WLT/FH70
Sheyang Victor Marine Auxiliaries Co., Ltd	Manual crane	WLT/SQ21-2
Sheyang Victor Marine Auxiliaries Co., Ltd	Single Arm boat/raft & provision davit	WLT/SA21/15
Sheyang Victor Marine Auxiliaries Co., Ltd	Hydraulic Gravity Luffing Arm Type Davit	WLT/SA25
Sheyang Victor Marine Auxiliaries Co., Ltd	Boat/raft davit & luffing crane	WLT/SA21; WLT/ESC23-6m
Sheyang Victor Marine Auxiliaries Co., Ltd	Multifunctional hydraulic telescopic slewing crane	WLT/YESC3t
Sheyang Victor Marine Auxiliaries Co., Ltd	Hydraulic crane and boat/raft landing device	SWLTA21-3t-6m
T-ISS B.V.	Release Hook	T-ISS PX-01; PX-02; PX-03
Vanguarde Pte Ltd	Lifeboat & Rescue Boat	VG; VG-FF/FC; KR; DB; DRS; DR4; HLB; HLBLR FRK; FRW
Vanguarde Pte Ltd	Hook (LRRS)	C-SAFE; SPEARHEAD; HK; SHF; SSH
Vanguarde Pte Ltd	Davit	LVD; LE; PL; A; PLR; PRH; SRH; LR; VA; VAE; VAH; VL; VL-G; VS; VF; HSD; FH; MSD
Vanguarde Pte Ltd	Winch	DW; DW/D; DW/S; SLR; DWP; HSD; HW; PRH; VW; VWL; VW/S; VW/Z
Wuxi Dongwu Marine Equipment Co.,Ltd	Gravity Luffing Arm Davit	18kN; 25kN; 40kN; 50kN; 60kN; 60kN (60L); 85kN; 110kN; T2.5; Sk50

Wuxi Dongwu Marine Equipment Co.,Ltd	Gravity Sliding Track Davit	25kN; 30kN
Wuxi Dongwu Marine Equipment Co.,Ltd	Free-fall Lifeboat Launching Appliance	F55; F70; NPT100F
Wuxi Dongwu Marine Equipment Co.,Ltd	Rescue Boats/Life-rafts	21kN (manual); 21kN (Electrical); 21kN (Electrical / hydraulic); 25kN (Electrical / hydraulic); 35kN (Electrical / hydraulic); DWC210
Wuxi Dongwu Marine Equipment Co.,Ltd	Rescue Boats Launching Appliances	A30; H35
Wuxi Dongwu Marine Equipment Co.,Ltd	Lifeboat winch	DS*ZY25; DS*ZY40; D50S; DS*ZY63; D63S; 80kN(life)
Wuxi Dongwu Marine Equipment Co.,Ltd	Life / Rescue boat winch	DZY; Z21; DZ*ZY25; DZ*ZY40; D50Z; DZ*ZY63; D63Z; 80kN(rescue)
Wuxi Hai Hong Boat Making Co., Ltd	Totally enclosed life / rescue boat series	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
Wuxi Hai Hong Boat Making Co., Ltd	Freefall Lifeboat series	HH59FC/HH59FF; HH76FC/HH76FF
Wuxi Hai Hong Boat Making Co., Ltd	Rescue Boat series	GJ4.5B / GJ4.5B1
Wuxi Hai Hong Boat Making Co., Ltd	High Speed Rescue Boat series	GJ618A / GJ618B
Wuxi Hai Hong Boat Making Co., Ltd	Release Gear series	HH76 / HH43 / HH30 / HH20
Wuxi Mingzi Machinery Manufacuring Co., Ltd	Lifeboat Hook Release Mechanism	HK40; WHK40; WHK65
Wuxi Mingzi Machinery Manufacuring Co., Ltd	Davit-launched Rescue Boat Manual Release Hook	15KN (150-T)
Wuxi Mingzi Machinery Manufacuring Co., Ltd	Davit-launched life-raft Automatic Release Hook	21KN-25KN (250-T)
Wuxi Mingzi Machinery Manufacuring Co., Ltd	Rescue Boat Release Hook	30KN (300-T)
Wuxi Mingzi Machinery Manufacuring Co., Ltd	Life Raft Release Hook	31KN-37KN (370-T)
Wuxi Wenjiao G.F.R.P Factory	Totally enclosed life/rescue boat	WJB50F; WJB50C; WJ57F; WJ57C; WJ58F; WJ58C; WJ75F; WJ75C
Wuxi Wenjiao G.F.R.P Factory	Free Fall Lifeboat	WJ59FF; WJ59FC; WJ67FF; WJ67FC

Wuxi Wenjiao G.F.R.P Factory	Rescue boat	WJ40R; WJ45KR; WJ45D3; WJ45D; WJJZ45; WJ55D; WJ60RA; WJ60RB
Wuxi Wenjiao G.F.R.P Factory	Life boat: Open Type	WJ45D; BJ55; BJ60; BJ65; BJ70; BJ75; BJ80; BJ85
Wuxi Wenjiao G.F.R.P Factory	Release gear	WJHK40; WJ30HK; WJHK55; WJ63HKC; WJ67HK; WJ40
Wuxi Xingsheng Gear Case Factory	Release Hook	15KN (XS15); 21KN (XS21); 23KN (XS23); 25KN (XS25); 35KN (XS35)
Zhenjiang DH Marine Equipment Co., Ltd	Davit	FFH; HSD; LPLG; LE; MSD; PR; PRH; SGL
Zhenjiang DH Marine Equipment Co., Ltd	Winch	DW; WME
Zhejiang Hengxin Ship Equipments Co., Ltd.	Lifeboat series	BCC; BCF; BCFC; BCFF
Zhejiang Hengxin Ship Equipments Co., Ltd.	Rescue Boat series	GJ; FRH; RH
Zhejiang Hengxin Ship Equipments Co., Ltd.	Release Mechanism series	HK
Zhejiang Hengxin Ship Equipments Co., Ltd.	Davit series	FH; SA; HDC; LFR; LR; HE; PD; SRH; LB; KN
Zhejiang Hengxin Ship Equipments Co., Ltd.	Winch series	DZB; D; DW
Zhejiang Norsier Lifesaving Equipment Technology Co., Ltd.	Lifeboat / Rescue boats	NYF & NYC; NYPF & NYPC; NYZ
Zhejiang Norsier Lifesaving Equipment Technology Co., Ltd.	Davits	NLB; NSA; NHCD; NFH
Zhejiang Norsier Lifesaving Equipment Technology Co., Ltd.	Winches	N
Zhejiang Norsier Lifesaving Equipment Technology Co., Ltd.	Release Mechanism	NHK
Zhejiang Wantong Heavy Industry Co., Ltd.	Lifeboat series	BJ; BCC; BCF; BCFC; BCFF
Zhejiang Wantong Heavy Industry Co., Ltd.	Rescue Boat series	GJ; FRH; RH
Zhejiang Wantong Heavy Industry Co., Ltd.	Release Mechanism series	HK
Zhejiang Wantong Heavy Industry Co., Ltd.	Davit series	FH; SA; HDC; LFR; LR; HE; PD; SRH; LB; KN

Zhejiang Wantong Heavy Industry Co., Ltd.	Winch series	DZB; D; DW; IYJ; DZJ; YSJ; DSJ

Remarks:

Approved according to MSC.402(96)/Corr.1 and IACS UR Z17, Rev.21/Corr.1.

Important Note

The Service Supplier must ensure:

- All specific requirements mandated by the flag state, if applicable, must be fully implemented.
- Shipboard equipment intended for servicing must be covered by this certificate. If not, the flag state and/or DNV must be contacted prior to commencing service.
- In the absence of the latest service manuals at the company, it is imperative to ensure that these are provided by the vessel or the original equipment manufacturers.
- The technician must possess a valid certificate corresponding to the specific type(s) of equipment and level(s) of service (manufacturer/type and annual/5-yearly inspections).
- The manufacturer's maintenance schedule must be adhered to, with the outcomes of the manufacturer's specific requirements thoroughly documented.
- To verify the validity of this certificate, please visit https://approvalfinder.dnv.com

Renewal audit

Renewal of the certificate shall be made at intervals not exceeding three (3) years by verification through audits that approval conditions are maintained.

Periodical audit

The Society may, at its own discretion, require periodical audits in the validity period of the certificate.

Suspension and withdrawal

The approval of a service supplier may be suspended or withdrawn at any time if the Society finds it justified.