

APPROVAL OF SERVICE SUPPLIERS

Certificate no.:
AOSS0000C61
Revision no.:
5

This is to certify that

TISA Lifeboat & LA Services, S.A.

Ciudad de Colón, Panama

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 **2025-11-07** to (inclusive) **2028-11-06**.

This Certificate is issued on **2025-11-23**.



for **DNV**

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

Lima, Thiago

This Certificate may be withdrawn if: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:

Equipment	Maker	Type
Free fall Lifeboats	GEPA - Fiberglass Industry & Trade Co. INC.	G-FFF1 & G-FFF1-FP, G-FFF2 & G-FFF2-FP, G-FFF3 & G-FFF3-FP
Totally Enclosed Lifeboats	GEPA - Fiberglass Industry & Trade Co. INC.	G-F6K & G-F6K-FP, G-F4K & G-F4K-FP, G-F3K & G-F3K-FP
Partially Enclosed Lifeboats	GEPA - Fiberglass Industry & Trade Co. INC.	G-F6YK, G-F4YK, F-F3K & G-F3YK-T
Open Type Lifeboats	GEPA - Fiberglass Industry & Trade Co. INC.	G-F5, G-F2, G-F1, G-F6, G-F4, G-F3
Service & Utility Boats	GEPA - Fiberglass Industry & Trade Co. INC.	G-GSB3, G-GSB4, G-GSB2, G-GSB1, G-F5-UB, G-F2-UB, G-F1-UB, G-F6-UB, G-F4-UB, G-F3-UB
Rescue Boat & Hook Release Devices	GEPA - Fiberglass Industry & Trade Co. INC.	G-RB1, G-RB1-DE, G-RB3, G-FRB1-O, G-FRB2-O, G-K1, GK2.
Lifeboats & Rescue Boat	HLB (Ex, Hyundai Lifeboats) Co., Ltd	Series of HD, HT, HDL, HLB, HDFL, HDFN, HDR & HDFR
Release Mechanism	HLB (Ex, Hyundai Lifeboats) Co., Ltd	Series of THP, Talon & Talon II
Davit	BADA Heavy Industries (ex.D.R.M) Co., Ltd	Series of BDH, BDTD, BDHP, BDTW, BDRW, BDM, HDFL, HDF, BDF, BDR, BDH, BDA, BDF, BDL, BDR & BHI
Winch	BADA Heavy Industries (ex.D.R.M) Co., Ltd	Series of BAW, BDF, BLW, BMW, BRW, BWL, BWR & FHW
Release Mechanism	BADA Heavy Industries (ex.D.R.M) Co., Ltd	Series of BDR, BHA & BHR
Lifeboats & Rescue Boat	Jiangyinshi Beihai LSA Co., LTD	SC45KR, SC45K, JYB40R, JYB55KR, JYB45Q, JYB50K, JYB60K, JYB70K, JYB75K, JYB80K, JYB65Q, JYB78Q, JYB60G, JYB65G, JYB65GA, JYB65GW, JYB65W, JYB78W, JYB65FW, JYB65FG, JYB65FGA, JYB75G, JYB78FG, JYB85FG, JYB85B, JYB99B, JYB50F/C, JYB57F/C, JYB65F/C, JYB75FF/FC
Hook	Jiangyinshi Beihai LSA Co., LTD	JYBHK-20N, JYBHK-30N, JYBHK-40NA, JYBHK-40D, JYBHK-56F, JYBHK-60N, JYBHK-60D, JYBHK-85N, JYBHK-100
Davit	Jiangyinshi Beihai LSA Co., LTD	SAC15, SA21/SAC21, SA21-A, SAC25, SA30/SAC30, SA35, FA65, FA75, FA100, LB14-H, LB30-H, LB45-H, LB50-H, LB60-H, LB65-H, LA65, LB90-H, LB120-H, BHGH65, BHGH90, BHGH120, BHGH170, PD50, PD85, PD115, PD145, PD175, FRH27, FRH27B, FRH50, FRH50N, EHRD18, EHRD30, SRH27, BHGP65, BHGP90, BHGP120, RB75-H, HB30, HB90, HB120, HDC2-10, HDC3-10, ESAD25, SM21
Winch	Jiangyinshi Beihai LSA Co., LTD	D21Z, D21Z-A, D25Z, D30Z, D30Z-A, D35S/Z, D50S/Z, DW50S/Z, D63S/Z, D100S/Z, DW100S/Z, DW110S/Z,

Equipment	Maker	Type
		HW30, HW50, JYBW45L/R, JYBW53L/R, FFW25, FFW40
Lifeboat Totally enclosed	Nishi-F Co., Ltd (ex Nishi Nippon F.R.P. Shipbuilding Co., Ltd)	ML-Series
Lifeboat Partially	Nishi-F Co., Ltd (ex Nishi Nippon F.R.P. Shipbuilding Co., Ltd)	ML-Series
Lifeboat Fire protected	Nishi-F Co., Ltd (ex Nishi Nippon F.R.P. Shipbuilding Co., Ltd)	ML-Series
Lifeboat Open	Nishi-F Co., Ltd (ex Nishi Nippon F.R.P. Shipbuilding Co., Ltd)	F-Series
Lifeboat Totally enclosed	ex Ishihara Dockyard Co., Ltd	G-Series
Lifeboat Partially	ex Ishihara Dockyard Co., Ltd	G-Series
Lifeboat Fire protected	ex Ishihara Dockyard Co., Ltd	G-Series
Lifeboat Open	ex Ishihara Dockyard Co., Ltd	G-Series
Hook/release gear	Nishi-F Co., Ltd (ex Nishi Nippon F.R.P. Shipbuilding Co., Ltd) / ex Ishihara Dockyard Co., Ltd	IHM-Series, NS-Series, SR-Series, FF-Series
Lifeboat & Rescue Boat	Viking Norsafe	Series JYN, Series Mathilda, Series Miriam, Series Minima, Series Maud, Series Maggie, Series Maxima, Series GES, Series Munin, Series Matrix, Series Midget, Series Merlin, Series Magnun, Series Mako, Series Maya
Hook	Viking Norsafe	Series K4-D, Series K4-D-FM, Series TOR MK2, Series TOR MK2-S
Davit	Viking Norsafe	Series A, Series C, Series D, Series E, Series LH, Series LHD, Series H, Series HD, Series SW, Series NDA, Series NDC, Series NDSC, Series NDSC-R, Series NRB, Series NRC, Series NRC-R
Davit	Oriental Presicion & Engineering Co., Ltd	HGD Series, HGK Series, SHS Series, RTD Series, DHA Series, DMA Series, FD Series, WL Series, RD Series, RDW Series
Winch	Oriental Presicion & Engineering Co., Ltd	BWE Series, SWE Series, WL Series, FD Series, WL Series, RD Series, RDW Series
Hook	T-ISS B.V.	PX-01, PX-02, PX-03
Lifeboat	Wuxi Hai Hong Boat Making Co., Ltd	HH70C / HH70T (QFP7.0/QFN7.0), HH85CS / HH85TS (QFP8.5/QFN8.5), HH65CS / HH65TS (EFP6.5/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, HH59FC / HH59FF, HH76FC / HH76FF, GJ4.5B / GJ4.5B1, GJ618A / GJ618B
Hook	Wuxi Hai Hong Boat Making Co., Ltd	HH76 / HH43 / HH30 / HH20

Equipment	Maker	Type
Lifeboat & Rescue Boat	Fassmer-Marland Int'l Ltd. / Hai Hong Boat Making Co., Ltd. (Guangzhou)	HH 57C, 57T Tanker Version / HH 65C, 65T Tanker Version / HH 70C, 70T Tanker Version / DRAGON 26C, DRAGON 26T Tanker Version / DRAGON 32C, 32T Tanker Version / DRAGON 38C, DRAGON 38T Tanker Version / GMR 6.5, GMR-T6.5 Tanker Version / GMR 7.4, GMR-T7.4 Tanker Version / CLR-C5.9, CLR-T5.9 Tanker Version / GAR 6.7, GAR-T6.7 Tanker Version / GAR 7.4, GAR-T7.4 Tanker Version / CFL-C49(E), CFL-T49(E) Tanker Version / CFL-C66(E), CFL-T66(E) Tanker Version / CFL-C72(E), CFL-T72(E) Tanker Version / CFL-C77(E), CFL-T77(E) Tanker Version / CFL-C83(E), CFL-T83(E) Tanker Version RR4.2 / RR4.2-M, RRH4.2, RR4.2 ID / FRR6.1 ID / FRR6.2 ID
Hook/release mechanism	Fassmer-Marland Int'l Ltd. / Hai Hong Boat Making Co., Ltd. (Guangzhou)	HH43 (Hai Hong type) / Duplex 2.5, Duplex 2.5E, Duplex 25E2 / Duplex 5.0, Duplex 5.0E, Duplex 50E2 / Single Type 5.1 (Freefall), FM53 (Freefall)
Davit	Fassmer-Marland Int'l Ltd. / Hai Hong Boat Making Co., Ltd. (Guangzhou)	Pivot davit: FPD-D52, FPD-D60, FPD-D68, FPD-DH68, SRH70 Freefall: FFH49, FFH49D, FFH49W, FFH66, FFH66D, FFH72, FFH77, FFH83, FLR49, FLR66, FLR72 Rescue boat: 14/3.5HS, FSARR 14/3.5HS, FSAR 4.0/3.5HS, FSAR 21/4.0HS, FSARR 21/4.0HS, FSARR 22/4.0HS, FMAH 22KN, FSAR 25, FSAR 25W, FSAR 21
Winch	Fassmer-Marland Int'l Ltd. / Hai Hong Boat Making Co., Ltd. (Guangzhou)	Pivot davit: DEW 15-24, DEW 15-35, DEW 15-44, D52L/D52R, DW34S/DW34Z, MW50/MW50C for davit FPD-D60 Freefall: FW35 Rescue boat: DEW 150, DEW 450, RZ25, DZA20

Remarks:

Approved according to MSC.402(96)/Corr.1 and IACS UR Z17, rev.14.