APPROVAL OF SERVICE SUPPLIERS

Certificate No:
AOSS0000J09
Revision No:
1

This is to certify that

PT. Global Marinedo Safety Indonesia

Batam, Indonesia

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 **2024-05-04** to (inclusive) **2027-05-03**.

This Certificate is issued on **2024-05-23**.

for **DNV**

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

Pribadi, Puguh
Surveyor

This Certificate may be withdrawn if: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 300,000 USD.

Application:

The conditions to which the enclosed certificate is base are;

1. Requirement stated in DNV CP-0484

2. Re audit for Accepted according to Lifesaving equipment types under MSC.402(96) (Annex, Section 7) & IACS UR Z17 1997/rev.14, 2019, Annex. has been carried out by DNV Maritime Batam, BAT Indonesia NB & CMC, Refer to checklist No. AOSS 6121 dated 2024-05-03.

3. In case any alteration to the certificate service operation system of the firm is made, including changes related to technician, such alteration shall be reported to DNV immediately.

4. Intermediate/Renewal Audit;

- Renewal of the Certificate shall be made at intervals not exceeding three (3) years by verification through Audits that approved conditions are being maintained.

- Intermediate Audits may be required by DNV as found necessary.

- At least 3 months before the period of validity expires, the supplier shall apply to DNV for renewal of the Certificate of Approval.

5. List of the manufacturers, equipment type, including applicable model/series for which service providers hold authorization;

No.	Name of Manufacture	Type of Equipment	Model/series
1.	Fassmer	- Davit launched totally enclosed Lifeboats	GMR 5.9, TGMR 5.9, GMR 6.5, TGMR 6.5, GMR 7.4, TGMR 7.4, GMR 8.3, TGMR 8.3, CLR-C 5.9, CLR-T 5.9, CLR-C 6.4, CLR-T 6.4, CLR-C 6.8, CLR-T 6.8, CLR-C 7.2, CLR-T 7.2, CLR-C 7.6, CLR-T 7.6, CLR-C 8.1, CLR-T 8.1, CLR-C 8.5, CLR-T 8.5, CL-C 8.9, CL-T 8.9, CL-C 9.4, CL-T 9.4, CL-C 9.8.CL-T 9.8, CL-C 10.2, CL-T 10.2, CL-C 10.7, CL-T 10.7, CL-C 11.1, CL-T 11.1, CL-C 11.5, CL-T 11.5, CL-C 11.9, CL-T 11.9, CL-C 12.4, CL-T 12.4, CL-C 12.8, CL-T 12.8, CL-C 13.2, CL-T 13.2, CLX (R) 8.5, CLX 10.0, CLX 11.7, CLX 12.8
		-Freefall Lifeboat	CFL 4.9, CFL-T 4.9, GAR 6.0, GAR-T 6.0, GAR 6.8, GAR-T 6.8, GAR 6.7, GAR-T 6.7, GAR 7.4, GAR-T 7.4, GAR 8.1, GAR-T 8.1, GAR 7.7, GAR-T 7.7, GAR 8.5, GAR-T 8.5, CFL-C 66, CFL-T 66, CFL-C 72, CFL-T 72, CFL-C 77, CFL-T 77, CFL-C 83, CFL-T 83.
		- Partially enclosed Lifeboats	CL-P 5.9, CL-P 6.4, CL-P 6.8, CL-P 7.2, CL-P 7.6, CL-P 8.1, CL-P 8.5, CL-P 8.9, CL-P 9.4, CL-P 9.8, CL-P 10.2, CL-P 10.7, CL-P 11.1, CL-P 11.5, CL-P 11.9, CL-P 12.4, CL-P 12.8, CL-P 13.2, SEL 8.15, SEL 8.8, SEL 9.6, SEL 10.5, SEL 10.55, SEL 11.80, SEL 12.5, SEL-R 8.15, SEL 15.75, SEL-T 10.75
		- Partially enclosed Lifeboats – Tenderboats	TL Limo 1100, SEL-T 11.0, SEL-T 11.7, SEL-T 12.3, SEL-T 14.0, SEL-T 14_7, SEL-T 15.75, PLL 1099, FLT-EVO 170
		-Partially enclosed lifeboat, tender boatand rescue boat	SEL-RT 7.7, SEL-RT 7.5, SEL-RT 8.5, SEL 11.0 (-T), SEL-R 7.4, SEL-R 8.5
		- Partially enclosed Life- and Crew Tender boats	RR 4,2, RR 4.2-M, RR 4.5 ID
		- Partially enclosed	

		Life-/Rescue-/Work-/Tender Boats	RIR 625 ID
		- Rigid Rescue boat	
		- Rescue boat	FR (1)R 6.1, FR (DR 6.1 ID, FRR 6.2 ID, FRR 6.5 1D-SF, FRR 6.6 ID, FRR 7.0 ID-SF, FRIR 625, FRR 7.0
		- Fast Rigid Rescue boat	SFB 10.1
		- NAVY RHIB	FFRU 6,6
		-Freefall Lifeboat Release Mechanism	FOH 27, FOH 30, FOH 70
		- Offload rescue boat hook	
		- onload release gear	Duplex 25E2, Duplex 2.5E, 2.5T, Duplex 50E2, Duplex 5.0E, 5.0T, Duplex 60E2, Duplex 6.6E, Duplex 10E, 101, Duplex 140E2, Duplex 14E, 14T, Duplex 17E, 17T, Duplex 180E2, Duplex 230E2, Duplex 23E, 231 FHD 80, FHD 100, FHD 120, FHD 130, FHD 150, FHD 170, FHD 172, END 280, FHD 450
		- Fassmer Hydraulic Davit	FHDY 100
		- Hinged Davit	FFH 49, FFH 50, FFH 60, FFH 66, FFH 70, FFH 72, FFH 75, FFH 77, FFH 80, FFH 83, FFH 85, FFH 90
		- Freefall Davit	
		- Pivot Davit	FPD 55, FFD D60, FPD 55, FPD 60, FPD 100, FPD 80, FPD 120, FPD 150, FPD 170, FFD D60
		- Freefall Ramp	FLR 49, FLR 66, FLR 8005, FLR 8006, FLR 8007
		- Multi Pivot Davit	FLR 8005, FLR 8006, FLR 8007, FLR 8005
		- Outrigger davit	FOD 100, FOD 120, FOD 130, FOD 150, FOD 170, FOD 190, FOD 40R, FOD 50, FOD 55, FOD 80, FOD LBC 300, FOD SAR 40, FOD-R 22, FOD-R 23, FOD-R 25, FOD-R 40, FOD TC 450
		- Rescue Boat Davit	FOSV 71, FSAH 22
		- Rescue Boat Crane	FSAH 28, FSAH 32, ISAR 12/3.5, FSAR 14/2.9, FSAR 14/3.5, FSAR 21/4.0, FSAR 21/4.5,

		- Rescue Boat / Life raft Crane - FRC crane - Fassmer Winch - Fassmer Winch/ rescue boat crane - Fassmer Freefall Winch	FSAR 22/4.5, FSAR 28, FSAR 40 FSP,RR 14/3.5, FSARR 21/3., FSARR 21/4.0, FSARR 21/4.3, FSARR 22/4.0 PRHE 30 DEW 40, DEW 85, DEW 2000 DEW 8, FWD 40 RB, DEW 150 FFWH
2.	Qingdao Behai Shipbuilding Heavy Industry Co.Ltd	Lifeboat; -Total enclosed -Freefall -Rescue Davit; -Gravity Pivot -Freefall launching -Single Arm Winch; Release Mechanisms; -Gravity Lifeboat -Freefall Lifeboat -Rescue Boat	 BH-5, 5A, 5S, 5SA, E500, E585, 6, 6A, 6S, E670, 7A, 7B, 8. BH-F6.0, F7.0A, F7.8, F8.1, F5.8,F6.8, F660, F670, F750, F900/A. BH-R4, R4S, R4SA, R5S BD-PV50, PV60, PV60S, PV85, PV125. BD-FF55, 55A, 55R, FF80, 80A, 80R, 80B, FF65/66/67, FF85. BD-SA14, 14A, 14B, SA21, 21A, SA23, SA30, 30A,SA33, SH23. BW-H(L/R)31, 50, 63, 75; L(L/R)75, 125,; SC14; 21, YSB20-120. BG-3, 3L, BG-7; BH-HOOK3, HOOK5, FS5, FS7. BG-3.5F, 4F, 4.5F, 4.5FL, 5F, 6F. BG-2R, 15KNXS, 25KNXS,35KNXS.
3.	Zhejiang Norsier Lifesaving Equipment Technology Co.Ltd	Lifeboats/Rescue boats -Davits -Winches -Release	-NYF & NYC Series, NYPF & NYPC Series, NYZ Series. -NLB Series, NSA Series, NHCD Series, SRH Series, NFH Series. -N Series.

		Mechanism	-NHK Series.
4.	Jiangyin Shi Behai LSA Co.Ltd	-Boat -Hook -Davit	-SC Series, JYB Series. -JYBHK Series. Series of SAC, SA, FA, LB, LA, BHGH, PD, FRH, EHRD, SRH, BHGP, RB, HB, HDC, ESAD.
5.	Jianshu Jiao Yan Marine Equipment CO. Ltd.	Free fall lifeboat Rescue boat Totally enclosed lifeboat Hook Gravity luffing arm type davit Launching appliance Platform Davit Single Arm davit Electric Boat Winch	JY-FN-4.9/JY-FF-4.9/JY-FN-5.8/JY-FF-5.8 JYM-FN-6.65/.1YM-FF-6.65/1Y-FN-6.8/1Y-FF-6.8 JY-FN-7.5/JY-FF-7.5/.1Y-FN-8.5/JY-FF-8.5/1Y-FN/FF-9.5 Gi4.2/G14.25/G.14.5/a15.0/GJ5.25/G.16.0B-1/G16.10 G.17.50/GJ8.0Q-2/GJ8.5Q-2 1Y-QFP/N-5.0/JY-QFP/N-5.25/1Y-QFP/N-5,6/JY-QFP/N-6.0A JY-QFP/N-6.50/JY-QFP/N-7.0/JY-QFP/N-7.5/.1Y-QFP/N-7.50A JY-QFP/N-8.00/1Y-QFP/N-8.50/.1Y-QFP/N-8.50X JY-Q.FP/N-9.35/JY-QFP/N-10.90A ix and JXN Series JYL52/JYL55/JYL65/JYL85/.1YL105/JYL135 JYF55/JYF75/.1YF75-B/JYF90 JYP65/JYP85/JYP105/1YP135 JYR21/JYR215-A/JYRC21/JYR14/JYRH14/.IYRH21/JYR26/JYR30 JYR23 FW45/JYW42/.1YW50/JYW70/JYW100/JYWP70/iYWP100 JYWP135/1YW35/JYRZ21
6.	Jiyangyin Wolong F.R.P Boat Co.,LTD	Totally Enclosed Lifeboat Free Fall Lifeboat Rescue Boat	JY50C/F,JYS0CA/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 JY49CF/FF,JY59CF/FF,JY67CF/FF,JY85CF/FF,JY109CF/FF JY 40KR, JY 42KR, JY 45DR, JY 45KR, JY50R, JY54KR, JY60KR, JY65KR,JY75KR, JY8 5KR

		Partially Enclosed Lifeboat	JY70P,JY80P,JY85P
		Open Type Lifeboat	JY 45KR, JY55K,JY65K, JY?0K, 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-PL 110,JY-PL 150,JY-PL 185,JY-PL215
		Single Arm Boat/ Raft Davit	JY-SAF21, JY-SAF23, JY-SAF23S, 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-LFR3 5, JY-SAP14, JY-SAP30
		gravity overhead rolling type davit	JY-HE70,JY-HE95,JY-HE120,JY-HE155
		Telescopic Boom Davit	JY-TBD 120, JY-TBD 215, JY-TBD 35
		Hydraulic Luffing Arm Type Davit,	JY-GYE70,JY-GYE120,JY-GYE185
		Connecting Rod Type Davit	JY-GL70, JY-GL95, JYGL120, JY-GL185
		Winch	JY-SAP 14, JY-D23 Z,JY-D23 / 16Z ,JY-SAFC23, JY-D33 / 23 Z ,JY-SAF33,JY-LRHE30, JY-PLR21 , JY-LFR27, JY-LRHE?0 JY-D505/Z,JY-D70S/Z,JY-D855/Z,JY-D110S/Z,JY-DW125S,JY-DP1105/Z,JY-DP150/Z, JY-DP 185, JY-DPZ 15
		Release Mechanism of Lifeboat/ Rescue Boat	HK40,HK40A, HK50B,HK50A,FHK70,HK70,HK115,LB60MR,LB80MR,LB1 Z0MR, FHK80, FHK90, LB35MRS, LB?0MRS