

APPROVAL OF SERVICE SUPPLIERS

Certificate No:
AOSS0000FG9
Revision No:
3

This is to certify that

Bos Engineering Ghana Limited

Takoradi, Ghana

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 **2022-08-14** to (inclusive) **2025-08-13**.

This Certificate is issued on **2022-10-29**.



for **DNV**

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

Asamoah, Frederick
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This Certificate may be withdrawn if: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 approval is granted for maintenance, though examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear in accordance with **IMO MSC. 402(96)**. For limitations, refer to Remarks.

Remarks:

This certificate is approved for the servicing of LSA for annual and renewal maintenance for the following OEMs ONLY;

	Maker	Equipment type	Model Type specification
1	VANGUARDE	Lifeboats	VG5.7, VG7.5, VG8.5, VG10.5, VG12.05
		Rescue / Fast Rescue Craft	VG4.O, VG4.5, VG6.OFRK, VG6.OFRW
		Hooks	Csafe 3.5, Csafe 5, Csafe 5 Mk.II, Csafe 8.5, csafe 8.5 Mk.II, csafe 10, csafe 10 Mk.II, csafe 14
2	ZHENJIANG DH MARINE EQUIPMENT CO., LTD		
3	ZHEN JIANG SIYANG DIESEL ENGINE MANUFACTURE CO., LTD		
4	NINGBO ASIA F.R.P BOAT MANUFACTURING CO., LTD	Rescue boat	YZ4,5,YZ4.5S,YZ4.SSA, Y260R8,
		Totally Enclosed lifeboat/Rescueboat	Y25OC,YZ5Of,YZ65C,YZ65F,YZ65CS, YZ66FS,YZ49,YZ49FC,
		Free fall Lifeboat	YZ49FF,YZ60FC,YZ60FF,YZ675F,YZ675F,YZ59FC,YZ59FF,YZF55,YZF70, YZ4.5,YZ4.5-1,BJ5.5,BJ6.5,BJ7.5,YZHK40, YZ60RA,YZ60RB ,
		Gravity Luffing Arm davit	L25,L50,YZL-55,L65S,LE8501,
		Electrical lifeboat/rescueboat winch	DS25,DZ25,DS40,DS/Z40,YZD-42S,YZD-42Z,DS58,DZ58,DS50S,D50S,D63S,D63S,D63Z,
		Single Arm rescue boat/liferaft boat launching appliance & crane	ZF21/15 DZ14,ZF21 DZ14,ZF23/15DZ14,ZF23 DZ14,ZF33 DZ25,B21/14,B21/14-2.5
		Freefall lifeboat launching appliance	YZF55,YZF70,Release mechanism HK40,YZHK40,YZHK40S
5	ORIENTAL INSPECTION & SERVICE CO., LTD	DAVIT	HGD SERIES, HGK SERIES, SHS SERIES,
		WINCH	RTD SERIES, DHA SERIES, DMA SERIES, BWE SERIES, SWE SERIES, WL SERIES
		FREE FALL DAVIT & WINCH	FD SERIES, WL SERIES

		RESCUE / LIFERAFT DAVIT & WINCH	RD SERIES, RDW SERIES
6		WEST MARINE ENGINEERING PTE LTD	
7	JIANGYINSHI BEHAI LSA CO., LTD	BOAT:	SERIES OF SC,JYB
		HOOK:	SERIES OF JYBHK
		DAVIT: SERIES OF	SM,SAC,SA,FA,LB,LA,BHGH,PD,FRH,EHRD,SRH,BHGP,RB,HB,HDC,ESAD
8	HYUNDAI LIFEBOAT NETWORKS CO., LTD	Lifeboat and rescue boat series	HD,HT,HDL,HLB,HDF,HDFN,HDR & HDFR;
		Release Mechanism series of	THP,Talon & Talon II
		BADA Davit Series	DRM,BDH,BDTD,BDHP,BOTW,BDRW,BDM & BFOD,
		Series of	HDFL,HDF,BDF,BHI,BLW,BMW,BWL,BRW,BWR,FHW & RLD,
		Release Mechanism series	BDR,BHA& BHR
9	DAVIT-COMPANY	Davits:	LT, MP, NT, SAP, ST, LA, LAR, PD, RSD, SPLCH, SPLDH, SRR, 21/14, UDSP, UNIC, UDR, GT, MT, HP MT, MS, VIP, SA, SB, SCM, SCT, SPB, SPFRM, SPG, SPMOB, DR, SPR, FDA, FF, FFH, FMB, FPG, JYF, MOB, NPD, NPDL, NPDS, NRD, OPD, ORD, PFH, PIVOT, PRHE
10		MARINE PARTNERS	
11	VESTDAVIT	Davit:	PAP-6000, PAP-9000 ,PAP-16000 ,PAPh-7000,PAPH-6000,PL-1200,PL-1000,PL-1500,PL-2000,PL-2501,PL-3600R,PLi-2000,PLA-850,PLA-2500,PLAR-3600,PLAR-4000,PLAR-4500,PLAR-6500,PLD-4000,PLD-5000,PLH-4000,PLR-3600,PLR-3601,PLR-3602,PLR-5000,PLR-5002,PLR-6000,PLR-7000,PLR-8001,PLR- 10002,PLR-12004 PLR-12005, PLR-15000, PLRH-5000, PLRS-3601,PLRS-3602,PLRS-4000,TDB-3603,TDB-5000,TDB-12000,TDB-12001,TSB-2500,TSB-2500L,TSB-10000
12	JIANGSU JIAOYAN MARINE EQUIPMENT	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
		Rescue boat:	GJ4.2/GJ4.25/GJ4.5/GJ5.O/GJ5.25/GJ6.OB-1/GJ6.10 GJ7.50/GJ8.OQ-2/GJ8.5Q-2 JY-QFP/N-5.O/JY-QFP/N-5.25/GTR57JYC/F/JY-QFP/N-6.OA JY-QFP/N-6.50/JY-QFP/N-7.O/JY-QFP/N-7.5/JY-QFP/N-7.50A JY-QFP/N-8.OO/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/JYL68/JYL85/JYL105/JYL135

		Launching appliance	JYF55/JYF75/JYF75-B/JYF90
		Platform Davit	JYP65/JYP85/JYP105/JYP135
		Single arm davit	JYR21/JYR21S-A/JYRC21/JYR23/JYR14/JYRH14/JYRH21
		Electric boat Winch	FW45/JYW42/JYW50/JYW70/JYWIOO/JYWP70/JYWPIOO/JYWP135 JYW35 JYRZ21



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