

APPROVAL OF SERVICE SUPPLIERS

Certificate No:
AOSS0000FZC
Revision No:
1

This is to certify that

CRALOG A/S

Frederikshavn, Denmark

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 DNVGL-CP-0484.

Category I+II: Extent of engagement - Maintenance, thorough examination, operational testing, overhaul and repair of: lifeboats (including free-fall lifeboats), rescue boats and fast rescue boats and launching appliances and on-load and off-load release gear for lifeboats (including primary and secondary means of launching appliances for free-fall lifeboats), rescue boats, fast rescue boats and davit-launched liferafts

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

This Certificate is valid until **2022-08-29**.

Issued at **Denmark CMC** on **2020-03-17**



for **DNV GL**

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

Hansen, Lars
Principal 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This Certificate may be withdrawn if: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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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 service supplier is approved for maintenance, thorough examination, operational testing, overhaul and repair of the following equipment:

<u>MAKE</u>	<u>MODEL</u>
Lifeboat	
Jiangyin Neptune Marine	NPT-series
NorMar	Telb-series
Survival Systems International	CA-series
Alexander Ryan	BH-series
Jiangyinshi BEHAI	BH- & JYB-series
Jiangsu Jiaoyan Euro Offshore	JY-, QFN-, QFB-, FF- & FN-series
Ernest Hatecke	PEL- & GFF-series
Fassmer	GFF-, GMR-, SEL- & CLR-series
GEPA	G-FFF- & G-FFD-series
Greben	PEL-series
Harding	MC-, FF-, KISS- & LBT-series
Hyundai	HD-series
Jiangsu Jiaoyan	JY-, QFN-, QFB-, FF- & FN-series
Jiangyin	JY-, QFN- & QFP-series
Jiangyin Norsafe	JYN- & GES-series
Jiangyin Wolong	JY-series
Jiangyin Xinjiang	JY-series
Jiaoyan	JY-, OFN-, QFP-, FF- & FN-series
Nisi F	EML-, CML-, DML- & FF-series
Noreq	LB-series
NORMAR	TELB-series
Norsafe	GES- & JYN-series
Palfinger	TELB-series
Schat Harding	KISS-, FF- & MPC-series
SHIGI	SZ-, FEL- & GARS-series
Survival Systems	CA-series
Rescue Boat	
DSB	IRB-, RB- & DSB-series
Ernest Hatecke	FRB- & RB-series
NorSafe	Midget-, RB- & MAGNUM-series
Jiangyinshi BEHAI	BH-, JYB- & SC-series
Euro Offshore	GJ-series

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Fassmer	FRR-, RB- & RR-series
GEPA	G- & RB-series
Harding	RRB-series
Jiangso Jiaoyan	GJ-series
Jiangyin Neptune	NPT-series
Jiangyin Norsafe	MIDGET-series
Jiangyin Wolong	JY-series
Jiangyin Xinjiang	GJ-series
Jiangsu Jiaoyan	GJ-series
Maresafety	FRB- & GTC-series
Maretimepartner	ALUSAFE-, SPRINGER-, SEABEAR- & WEEDO-series
Narwhal	SV-series
Nisi F	NF-series
Noreq	RRB-series
Palfinger	MOBL-series
Schat Harding	MOB-series
SHIGI	VOX-series
Survitec	RIBO-series
Viking	GRP- & RB-series
Zodiac	RIBO-series
Avon	SR-series
Launching Appliance	
Mjosundet Båt & Hydraulik	Midget-series
Schat Davit Company	GAR-, GRA-, SRR-, FF-, HD-, RD-, VIP-, W-, HRL-, PL-, SAR-, BE-, FME-, NDP-, SPR-, LA- & VIP-series
TTS	HL-series
Vestdavit	PLR-, PL-, TDB- & TLR-series
ABAS	FD- & MDE-series
ACEBI	GRA-, PDFK-, SPG- & TB-series
ACTA	B-, DC-, DR-, HCS-, L- & RD-series
Alexander Ryan	PL-series
AUKRA	ALR-, AMD- & HRT-series
BADA	BDH-series
BEHAI	BD-FF-, BD-FH-, BD-PL- & BD-SA-series
Davit Company	08-02-, 10-2-, EB-, EV-, FB-, FM-, LAR-, MOB-, ND-, NT- & D-series
Davit International	B-, C- & D-series
Ernest Hatecke	DFR-, FFA-, BPK- & GFF-series
Fassmer	FFA-, FFD-, FFH-, FPD- & FSAR-series
Ferri	1872-series
GEPA	GDDFD- & GDRRS-series
Global Davit	DFR-, FFA-, FFD-, FHS-, LMS-, PHS-, RHS- & RMS-series
Greben	EW-, FFL-, HFC-, RC-, SAR-, SPG-, FFD- & FFH-series

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Gurdesan	GD-FED-, GD-FFD-, GD-KHK- & GD-RRS-series
Harding	FSS-, HB/VIP-, HD/RT-, NPDS-, NT-, SSR- & VIP-series
Hydrakraft	HRT-series
MURA	SP-, MV-, GRA- & SAR-series
MacGregor	A-, HMC- & HMD-series
Hydralift	HL-series
Hydramarine	HMC- & HMD-series
Hydramaskin	AC-, HD-, HMC- & HMD-series
Hyundai	HDL-, HDF-, BDF- & HDR-series
Jiangnan	SA-series
Jiangsu Jiaoyan	JY-, L-, F-, HG- & P-series
Jiangyin Neptune	D-, HD-, JH-, JY- & NPT-series
Jiangyinshi Beihai	F-, FA-, LB- & SA-series
Mansai	M-, H-, HR-, V-, T-, BD-, S-, SR-, R-, RD-, FH-, FE-, MFR- & MGR-series
NDM	SCM-series
NMF	BPK-series
Nor Davit	E-, H-, OPD-, RD-, SSP- & SPG-series
Noreq	JYP-, NP- & NPD-series
Norsafe	HD- & NDA-series
Oriental	BWE-, DHA-, HGD-, FD-, RD- & SHS
Palfinger	PK-, PRHE-, SCH- & SCM-series
Redrock	RDA-series
Sekigahara	SHS-series
Sezamor	ZOL-series
WUXI	HM-series
Zhenjiang	FH-, LE-, PR- & SA-series
Winches	
Schat Davit Company	BE-series
Mjosund	MV-series
Vestdavit	C-series
Davit Company	FB-series
Release Gears	
BC Service	U- & UH-series
Davit International	RH- & OLH-series
Ernst Hatecke	F- & Simplex-series
Global Davit	HRN- & HR-series
Henriksen	HMK-series
Jiangyin Xinjiang	JX-series
Norsafe	KD-, TOR-, TORMK-, FF-, KD-4-, GES-, SIM MK- & K4- series
Norsafe Jiangyin	K4
Survival Craft	SAFELAUNCH-series
Schat Harding	MOB- & SSR-series

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Survitec	SLA-series
Tanner	IRB-series
Ned Deck	CAR-series
Palfinger	CAR-series
Ferri	1448-series
Hyundai	TALON- & BHR-series
Mansei	RH-series
Viking (NADIRO)	DIB-series
SHIGI	SRS- & SZK-series

Remarks:

Accepted according to:

Lifesaving equipment types under MSC.402(96)/Corr.1 (Annex, Section 7) & IACS UR Z17 1997/rev.14, 2019, Annex 1, Section 13.