



## Service Suppliers Document of Approval

Ref. Nr. of DOA: **DEV/DOA/LF/221.Rev/25**

Date: **04 September 2025**

This is to confirm that:

Messrs: **CRALOG A/S**

Address: **Knoten 7, 9900 Frederikshavn, Denmark**

Has been approved by INSB Class for: **Maintenance, through Examination, Operational Testing, Overhaul and Repair of Lifeboats and Rescue Boats, Launching Appliances and Release Gear.**

For vessels classed and or certified by INSB Class, in accordance with the society's Rules and Regulations, the technical requirements as applicable and at the presence of an appointed INSB Class surveyor.

See **overleaf for approval details**, conditions and / or limitations, if any.

This **Document of Approval** is issued at Piraeus and is valid **from 04/09/2025 to 02/09/2026** inclusive, subject to annual renewal provided the continued compliance with INSB Class established requirements.

For **INSB Class**,

**Dimitrios Sfaragkoulis**  
Surveys Administrative Support Dpt.



Verify DOA



## ANNEX TO

DOA Ref. Nr. DEV/DOA/LF/221.Rev/25

Service Supplier:	CRALOG A/S
Limitations, if any:	-
Operators / Inspectors Data:	As per submitted and kept data.
Description of Manufacturers / Models:	As per list below.
Manufacture	Type
A TECH	Launching Appliances (AT-LRD); Winch (AT10-LRD)
ABAS	Launching Appliances (KDE, MDE)
ACEBI	Launching Appliances (A, AF, GRA, PF, PFR, RRP, SPG, TPC, TPF, TPU); Survival Crafts (PELB, TELB); Winch (TBE, TR)
ACOIN	Launching Appliances (R18700); Winch (BE-2)
ACTA	Launching Appliances (DC, DR, HSC, MOB); Winch (KNT)
ALEXANDER RYAN	Launching Appliances (BH)
ALEXANDER WELIN	Winch (AIW)
AMBAR MARINE	Survival Crafts (AM420)
ARIM	Launching Appliances (AHA, AREH, ARPV)
AUKRA MARITIME AS	Launching Appliances (HRT)
AVON	Survival Crafts (RB, SR)





BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Launching Appliances (BDA, BDF, BDFA, BDH, BDMS, BDR, BDTD, BDTW, BFOD, BFRD, BLR, HDFL, HINGED GRAVITY, TT); Release gear (BD-LH, BHA, BHR25S); Winch (BA, BDF, BDTW, BLW, BM, BMW, BRW, BW, BWR, ELEC. MOTOR DRIVEN, HDF)
BADA HEAVY INDUSTRIES CO., LTD.	Launching Appliances (BDHP, BHI-RLD, HDF, HDL); Winch (BHI-EHW, BLW)
BALDEN	Release gear (BD-LBH, BDHR); Survival Crafts (BD-FFC, BD-FFT, BD-LB, BD-LBC)
BC SERVICE	Release gear (U HOOK, U-ARH 3.5T)
BEIYANG BOATBULDING CO.LTD	Survival Crafts (20 TECB)
BIANCHI & CHECCHI	Launching Appliances (PE, PET); Survival Crafts (PE)
BOPP TREUILS JEB	Launching Appliances (BHD); Winch (BHP 4200)
BREVINI	Winch (BWC, BWF 025, PWD, W381)
BROOKER (SURVIVAL SYSTEMS INTERNATIONAL)	Survival Crafts (CA)
BRYNE MEKANIKK AS	Winch (H02D1D)
CASTOLDI S.R.L.	Survival Crafts (JET TENDER 18 RB)
CHANG SHENG	Release gear (35KN)
COASTAL MARINE EQUIPMENT, INC.	Launching Appliances (D)
CRAMM YACHTING SYSTEMS B.V	Launching Appliances (CDT 7000); Winch (BWF1500)
CRANSTON EAGLE	Release gear (APR-356- CB/CBH)
CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO., LTD ( EX ZMAMW)	Survival Crafts (YH-QFP) (YHFP); Launching Appliances (LE, SAFC); Winch (DS/DZ, SAF) Release gear (HK40)





DAE JIN CO. LTD	Release gear (THP-1B)
DAELIM TECHNOLOGY CO. LTD. (HYUNDAI)	Launching Appliances (FF-740)
DAFER (NARWHAL)	Survival Crafts (FRB, FRB 700, FRB 900, SV)
DAVIT COMPANY (PALFINGER)	Winch (16 EV, 24EPB)
DAVIT INTERNATIONAL	Launching Appliances (D-AC.5, D-BR, D-CR.R, D-CRH.R, D-CRM, D-FH, D-FO, D-FOS, D-FP.R, D-NP, D-NP.MP, D-NPS.FR, D-NPS.MP, D-NPS.SP, D-RC, D-RC.T, D-RT, D-SP, D-SR04, D-TF, D-TT.SP., D-TTS.R, D.BC.R, D.CRE.R, DTT); Release gear (OLH, RH); Winch (01KN, 02KN, 03 KN, 04KN, 06KN, 07KN, 12, 40)
DELTA	Survival Crafts (COMET, PHANTOM)
DENIZSAN	Launching Appliances (DRBD, DRBLRD, DRM-FFD, DSFDD, DSFRB, DSRB, DSRBD); Winch (MTV1)
DINAMIC OIL	Winch (DRM-FHW / RW)
DONGNAM ENTERPRISE.,CO LTD	Launching Appliances (DLB); Winch (HLW)
DONGNAM MARINE CRANE CO.,LTD.	Launching Appliances (DCPV, DHGD, DNRD, DRBLRD, DRLD, DSAC, DSAD); Winch (DRBD, DRBLRW, DSAD)
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Launching Appliances (DBD, DWS); Winch (DBD, LW)
DSB DEUTSCHE SCHLAUCHBOOTE	Survival Crafts (IRB)
DSB ENGINEERING CO LTD	Launching Appliances (DRM-FFD, DSBARH, DSBDL, DSBDP, DSBDL, DSBDTL, DSBDYL); Survival Crafts (DSBC, DSBF, DSBFC, DSBFF, DSBP, DSBR / RA / RB / RB, DSBRA / RB, NPT-R); Winch (DRM-HW)
EO LIFESAVING	Launching Appliances (CH-52); Winch (W)
ESVAGT	Survival Crafts (ALU 460 F)





FASSMER	Launching Appliances (FFH, FLR, FMPD, FPD, FSARR); Release gear (DUPLEX < 6.6T, DUPLEX > 6T, DUPLEX<6.6T, DUPLEX>6T, F, FFH); Survival Crafts (CL, CL-P, CLR-C, CLR-T, CLX, FRIR, FRR, GAR, GAR-T, GMR, PLL, RR, SEL, T-GMR); Winch (DEW, FDW, FFWH)
FASSMER MARLAND	Launching Appliances (FFH, FPD-D); Survival Crafts (CFL-C, CFL-T, CLR-C, CLR-T, DRAGON C, DRAGON T, HH-C, HH-T, RR); Winch (D, FFWH)
FERRI	Launching Appliances (1872 TN); Release gear (1488); Winch (1702 TN)
FUKAYA MANUFACTORY THE HAKODATE DOCK CO.,LTD	Survival Crafts (HL 73)
GEPA	Release gear (G-FFRM-01, G-K); Survival Crafts (G-FFF, G-FK, G-FRB, G-FYK, G-RB1, GFK-FP)
GILBERT & SCHMALRIEDE. GMBH & CO. KG	Launching Appliances (PJ-1386, PJ1385)
GLOBAL DAVIT	Launching Appliances (FHS, FHS.L, FHS.R, FHS.R.L, FHS.R.L.S, FHS.R.S, FHS.S, GLP.FLH, GLP.FP, GLP.FPH, GLP.MP, GLP.RT, GSP.FLH, GSP.FP, GSP.FPH, GSP.MP, GSP.O, GSP.RT, GSP.RT, GLP.RT, LMES.S, LML, LMS, LMS.S, RHL, RHP, RHP.HC, RHS, RHS.L, RHS.L.S, RHS.S, RMES.L.S, RMES.S, RML, RMS, RMS.L, RMS.L.S, RMS.S, RSP.O); Release gear (HR, HRL, HRL.26, HRN); Winch (02H.06.01, 04KN, 14KN, 20KN, 26KN, W01KN, W02KN, W03KN, W04KN, W05HC, W07KN, W08KN, W10KN, W08HC, WS)
GREBEN	Launching Appliances (FOD, GD-PD, GR-RTD, HD, HFF, PROMAC 12/4.2 EL, RLC, SAR, SPG); Release gear (NLH); Survival Crafts (FFL, PEL, RB, TEL, TEL-FP); Winch (CW, EW, EW-2, HW, PROMAC 12/4.2 EL)
GURDESAN	Launching Appliances (GD-FFD, GD-KHK, GD-RRS); Winch (GD-FLW, GD-HC-A, GD-KV 35)
HAEAN MACHINERY IND. CO. LTD.	Launching Appliances (HED-PC, HHD-PC); Winch (HHD-PC, HMI)
HANLA IMS CO., LTD	Launching Appliances (HM-PVC-H)





HANYOUNG ENTERPRISE	Launching Appliances (RESCUE BOAT DAVIT)
HARDING (UMO SCHAT HARDING)	Launching Appliances (FF, GRA, HD-FL, HD-RT, HD-SPG, HD-VIP, LA, LAR, ORD, SA, SAR, SPD, SPG(VL), SRR); Release gear (FFH, RRH); Survival Crafts (CTL, FF, MCB, MCF, MCM, ML, MOB 4.5A, MPC); Winch (CW, HD, MW)
HARDING (UMO SCHAT HARDING) (DAVIT COMPANY) (SCHAT DAVIT COMPANY) (PALFINGER)	Winch (16EB / EBR)
HARDING (UMO SCHAT HARDING) (FAST RSQ)	Release gear (CAR-35F)
HARDING (UMO SCHAT HARDING) (PALFINGER)	Release gear (KH6.5M2); Survival Crafts (HARDING-LBF) (MC)
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Launching Appliances (FFB, MOB, NDP, NT, SPG(L), SPR); Release gear (LH3.5M2); Winch (08-02, 2-22-13, BE 7.5, EW-02-PL, FM 194, FME)
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER) (WATERCRAFT)	Winch (BE)
HARDING (UMO SCHAT HARDING) (PALFINGER)	Launching Appliances (NPDS); Release gear (ARH)
HARDING (UMO SCHAT HARDING) (PALFINGER)	Launching Appliances (LA, ND, NTD); Release gear (LHR, LHR M2); Survival Crafts (LBT-C, LBT-T, MOB 17, STINGER 630); Winch (W)
HARDING (WATERCRAFT)	Launching Appliances (WRG); Survival Crafts (MK 1, MK 2, MK 3, MK 4, MK 5, MOB, MOBAC, PELB, PERB, WFF); Winch (MW, NW)
HARDING BOAT BUILDING (QINGDAO) CO., LTD.(UMO SCHAT HARDING)	Survival Crafts (TECB)





HATECKE	Release gear (SIMPLEX 2.0I OFF LOAD)
HATECKE (ERNST HATECKE)	Launching Appliances (DFR 600-SII, FFA, FFB, GSP.FP, GSP.O); Release gear (DUPLEX < 6T, DUPLEX > 6T, DUPLEX<6.6 T, DUPLEX>6T, GFF, RAFTI 2.5, SIMPLEX, SIMPLEX 1,85); Survival Crafts (FRB 600, GFF, GSL-T, PEL, PL, RB); Winch (07.02.08, FFA)
HAVØYSUND PATENTSLIPP AS	Launching Appliances (POLARDAVIT)
HENRIKSEN	Release gear (HCH, HMK)
HLB ( HYUNDAI LIFEBOATS)	Release gear (TALON II, TALON 4.6T, TALON II, TALON MK 1); Survival Crafts (HDF25T, HDFL740F, HDFN-F, HDFN-T, HDFR, HDL, HDL-CF, HDR, HLB, HT78)
HOEI SENPAKU CO.,LTD	Release gear (HS, HS 520 96, HS520 83, HS520 96, HS650 83, HS650 96); Survival Crafts (HS, HS650F, HSF)
HOLEN AS	Launching Appliances (KOPAS A-1000)
HYDRALIFT	Winch (SP)
HYDRAMARINE	Winch (23B35T22)
HYDRAMASKIN	Launching Appliances (A-15)
HYUNDAI LIFEBOAT CO., LTD	Release gear (TALON 4.6T)
IHI MARINE UNITED INC	Launching Appliances (MUL); Release gear (JX-1); Survival Crafts (G, GT-F, GTC, GTC-C, GTC-F, GTR-JYF); Winch (MUW)
IKNOW MACHINERY (TSUJI HEAVY INDUSTRIES)	Launching Appliances (HD); Winch (EB)
IMT CO., LTD	Launching Appliances (ILR); Winch (ILR-W)
INI HYDRAULIC	Winch (IYJ2.53-39—57-16-ZPN)
JAPAN MARINE UNITED CORP.	Launching Appliances (MUFJ, MUR21J); Release gear (JX-2, JX-3); Survival Crafts (GF, GTR-JYF, MU-FN, MU-GJ); Winch (JYR-21, MU)





JIANGSU JIAOYAN MARINE EQUIPMENT CO. LTD	Release gear (JXN-7); Winch (FW45)
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Launching Appliances (JYA, JYF, JYGR, JYHG, JYL, JYP, JYR, JYRCA); Release gear (JX-1, JX-1B, JX-2, JX-4, JXN, JXN-1B, JXN-1C, JXN-3); Survival Crafts (GJ, GTR-JYF, JY-BF, JY-FF, JY-QFN, JY-QFP, JYM-FF, JYM-FN); Winch (JYA30, JYRZ, JYW, JYWP)
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD.	Release gear (JX-1)
JIANGYIN BEIHAI	Launching Appliances (HDC3-10)
JIANGYIN NEPTUNE MARINE APPLIANCE CO. LTD.	Launching Appliances (NPT 60 DL)
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Launching Appliances (NPT- BE, NPT-ARH, NPT-DF, NPT-DL, NPT-DP, NPT-DR, NPT-DYL, NPT-PL); Release gear (NPT 50, NPT-30 HK, NPT-50, NPT-HAN, NPT-HK, NPT-HK25F, NPT-HK25R, NPT-HKC, NPT70HKF); Survival Crafts (NPT SC, NPT-C, NPT-F, NPT-FA, NPT-FC, NPT-FCA, NPT-FF, NPT-P, NPT-PT, NPT-R, NPT-RA, NPT-RB, NPT-RFA); Winch (NPT-DS, NPT-DW, NPT-DW-B, NPT-HW)
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD. (PALFINGER)	Release gear (PN-HKC)
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Launching Appliances (JY-FH, JY-LFR, JY-LRHE, JY-PLR, JYHE, JYHSR, JYLE, JYPL, JYSA); Release gear (FHK, HK, JX-1, LB80MR); Survival Crafts (JYC, JYCA, JYCB, JYCF, JYDR, JYF, JYFA, JYFB, JYFF, JYK, JYKR, JYP); Winch (JY-D 23Z, JYD)
JIANGYIN XINJIANG	Survival Crafts (GJ, GJ- B, JY-FN)
JIANGYINSHI BEIHAI	Launching Appliances (BH-G, BHGH, EHRD, FA, FRH, HB-H, LA, LB-H, PD, RB-H, SA, SMR, SRH); Release gear (JYB-HK, JYB-HKF); Survival Crafts (JY-BR, JYB-B, JYB-C, JYB-F, JYB-FC, JYB-FF, JYB-G, JYB-K, JYB-KR, JYB-Q, SC-K, SC-KR); Winch (DS, DW, DZ, JYBW)
JIANGYINSHI BEIHAI LSA CO., LTD.	Winch (DZ)





JUNG-A-MARINE CO., LTD	Launching Appliances (PCRLC); Winch (PCRLC)
KANG NAM. CORPORATION	Survival Crafts (GTB)
KCL (KOLBERG CASPERY LAUTOM A/S)	Release gear (NOA LRRS)
KGW SCHWERINER MASCHINENBAU GMBH	Launching Appliances (RB)
KYORITSU KIKAI	Launching Appliances (LAF-MUF68)
LALIZAS	Release gear (LAR 36)
LSA SERVICE GMBH	Release gear (LSA-H2,1)
MACGREGOR (TTS) (HYDRAMARINE)	Launching Appliances (G-TYPE, HMD A32 MK3); Winch (HMW)
MACGREGOR (TTS) (HYDRAMARINE)	Launching Appliances (A-TYPE, HLD, HMC, HMD)
MACGREGOR (TTS) HYDRAMARINE)	Launching Appliances (T-TYPE)
MADROCK	Release gear (ROCLOC)
MANSEI	Launching Appliances (ABD, AH, AT, AV, CM, D-FH, EH, EM, FE, GRA, HER, M, MFH, R, RD, SAR, SR); Release gear (RH, RH3); Winch (06KN, ABW, AW, CMW, ERW, EW, FBW, FW, MLW, MW, RMW, SW)
MARE SAFETY AS	Survival Crafts (GTC 700, MS FRB, RB)
MARITIME DECK MACHINERY	Launching Appliances (CM-52); Winch (W-6116 E)
MARITIME PARTNERS	Survival Crafts (WEEDO 600, WEEDO 700)
MARITME PARTNERS	Survival Crafts (ALUSAFE 1200 DC, ALUSAFE 700, ALUSAFE 770, ALUSAFE 900, SEA BEAR 23)
MARITME PARTNERS (HUKKELBERG BOATS)	Survival Crafts (SPRINGER)





MARTIME PARTNERS	Survival Crafts (WEEDO 17 SOLAS)
MENAROM SA	Launching Appliances (CMPS 21); Winch (CMPS 21)
MERCURY	Propulsion (10604522ED)
MIURA MACHINE CO.,LTD (MIURAVIDER) (MANSEI)	Launching Appliances (MVD, SPG(VD)); Winch (LBH, RBH)
MJØSUND BÅT & HYDRAULIK	Launching Appliances (MOB); Winch (MV)
MULDER EN RIJKE	Survival Crafts (PELB, PTL, TELB, TELB-S)
NANJING DONGSHENG MARINE EQUIPMENT CO., LTD	Launching Appliances (AR14); Winch (DB14)
NANJING DONGSHENG MARINE EQUIPMENT CO.,LTD	Launching Appliances (ARL21); Winch (ARL21)
NARWHAL	Survival Crafts (SV)
NARWHAL (DAFER)	Survival Crafts (SV)
NAVIGATION'S	Launching Appliances (1,1, 1.2 LL); Winch (HWRB 1.2)
NAVIM GROUP	Launching Appliances (FDRB, SGHD- L, SPDT-L, SPDT-R, SPDT-T, SPHD- T)
NAVIM GROUP (TECNIMPIANTI S.P.A)	Launching Appliances (NHRB); Winch (RBEW)
NED-DECK MARINE (PALFINGER)	Launching Appliances (FFH, FPG, PFH, PL, PRH, PRHE, SCH, SCM, SCT, SEC); Release gear (CAR 35); Survival Crafts (NMD 4.40 RESCUE, NPT, PN85F); Winch (04, 15, HWCT)
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Launching Appliances (L, YZ, YZF, ZFDZ); Release gear (HK); Survival Crafts (BJ, YZ, YZC, YZF, YZFC, YZFF, YZRA, YZRB)
NINGBO KAIRONG SHIP MACHINERY CO LTD	Launching Appliances (FH, KR-1)





NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Launching Appliances (NM, NMAR, NMF55KN, NMPL, NMSD23KN); Release gear (JX-2); Survival Crafts (NM, NM43R, NM45R, NM58FF, NM59FC)
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Release gear (F, IHM 12, IHM 13, ML, NS, SR); Survival Crafts (CML, EML, FF, FRP, G-AFR, G-FR, G-TR, NF, NFA, PML)
NMF	Launching Appliances (BPK, KD)
NOR DAVIT	Launching Appliances (PL, SDP); Winch (SP)
NOREQ	Survival Crafts (LBP)
NOREQ (PALFINGER)	Launching Appliances (NPD, NRD, SCH, SCH-R, SCHD, SCM -R, SCM-L); Release gear (JXN-3); Survival Crafts (FRB, LBF, LBT, RRB); Winch (NW)
NORMAR (NORWEGIAN MARINE EQUIPMENT)	Release gear (JX-2, JX-4); Survival Crafts (FRC, FREE FALL 4.9 TO 8.5T, NORMAR-RESCUE 425, RESCUE 425 / 500, TELB)
NORSAFE	Launching Appliances (NDA); Release gear (TOR MK 2-S/6 TON)
OPTIMUM MARINE	Release gear (21-25KN, 31-37KN)
ORIENTAL PRECISION	Launching Appliances (DHA, DMA, FD, HGD, HGK, RD, RTD, SHS); Winch (BWE, RDW, SWE, WL)
ORIENTAL PRECISION - SEKIGAHARA	Launching Appliances (SHS)
OY FISKARS AB	Survival Crafts (TELB)
PALFINGER	Launching Appliances (FF, FPG, NPD, NPT, NPT-DF, PFH, PFHS, SCH-R, SCM -R, SCM-L); Release gear (CAR-35F, FFH, NPT, RRH); Survival Crafts (CTL, FF, FRSQ, KISS-C, KISS-T, MPC, NPT-C, NPT-F, NPT-FC, NPT-FF, NPT-T, RSQ); Winch (CW, NW 1800H, W)
PALFINGER (UMO SCHAT HARDING)	Launching Appliances (VIP)
PELLEGRINI MARINE EQUIPMENT	Launching Appliances (CHCD 2,507+ RLC 2.1/4.5, GRA, RLC); Winch (RLC, VAS 45 E)





PESBO S.A	Release gear (BSL); Survival Crafts (BSC, BSL)
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Launching Appliances (BD- SA, BD-AR, BD-FF, BD-PL, BD-PV, BD-SH); Release gear (BG, BG-2R, BG-F); Survival Crafts (BH, BH-F, BH-HR7, BH-R, BH10, FRB); Winch (BW-HL, BW-HR, BW-LL, BW-SC)
REDROCK	Launching Appliances (RDA, RDT)
SCAHT DAVIT COMPANY (PALFINGER)	Launching Appliances (FFFDA)
SCHAT DAVIT COMPANY (PALFINGER)	Launching Appliances (SPR)
SCHAT HARDING	Launching Appliances (FR.P.SP)
SEC (SHIPS EQUIPMENT CENTRE)	Launching Appliances (HP2, HS, MS, SP3); Winch (WL)
SEKIGAHARA	Launching Appliances (AT, SF, SFA, SFB, SFP, SHS, SJS, STS); Winch (SNW, SWE)
SEKIGAHARA SEISKUSHO LTD	Launching Appliances (ST)
SEKWANG MARINE MACHINERY CO, LTD	Launching Appliances (RBD, SINGLE ARM SLEWING); Winch (RBW)
SERVO SHIP S.L	Launching Appliances (FFR-20, PR4M1100HR); Release gear (200); Winch (FFRW 4500KG)
SEZAMOR	Launching Appliances (ZZ-ZOL, ZZ-ZOT); Release gear (HLR, HS)
SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	Launching Appliances (FH, SAFC)
SHANGHAI JIANGNAN	Survival Crafts (JN-FC)
SHEYANG VICTOR MARINE AUXILIARIES CO., LTD	Launching Appliances (21 KN); Winch (14 KN)





SHIGI SHIPBUILDING CO. LTD.	Release gear (SRS, SZK, SZK-25M, SZK-30, SZK-5, SZK5, WP39); Survival Crafts (FEL, FRP, GARS, SZBR, SZGM, SZGO, SZP, SZPR, SZRS, SZTR, VOX46)
SHIN MYUNG TECH	Launching Appliances (SMLRD-25P, SMRB&LRD-FT, SMRBD&LRD, SMRBD&PV, SMRBD-SD)
SPP SHIPBUILDING CO LTD.	Launching Appliances (SBD-5800); Winch (W-5800A)
STOCZNIA USTKA SP. Z O.O.	Launching Appliances (HUZ, HZ, PZ); Survival Crafts (FFB, FRB, R, RIB, Z)
SURVITEC (SCI)	Release gear (SAFELAUNCH, SLA 3.5); Survival Crafts (FF, SC60RA, SCFA)
SURVIVAL SYSTEMS INT	Launching Appliances (PL); Survival Crafts (FRB)
SURVIVAL SYSTEMS INT.	Release gear (SURESAFE, TRIPLE 5, TRIPLE 5 LX); Survival Crafts (CA); Winch (W)
T-ISS	Release gear (21-25 KN, 31-37 KN)
T-ISS BV	Release gear (PX02, PX03, PX01)
TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	Launching Appliances (21KN BOAT/RAFT DAVIT, 55KN); Winch (21KN)
TECH FLOWER CO., LTD.	Launching Appliances (H1PC)
TECHNIMPIANTI S.P.A	Launching Appliances (FRB); Winch (HW)
THANNER & CO AS (NORPOL)	Release gear (ILR, IRB)
TMA	Winch (TN/MW)
TSUJI HEAVY INDUSTRIES	Launching Appliances (H, RP, T83, TC); Winch (EB, TC)
TSUNEISHI	Release gear (43GS-1); Survival Crafts (TL-TE)
TSUNEISHI (KAMBARA RINGYO)	Survival Crafts (KL-FP, KL-TE)
TSUNEISHI (SANYO WORKS)	Survival Crafts (FP, TE)





TTS (HYDRALIFT )	Launching Appliances (HL, HL9D)
ULSTEIN FAMA (FAMA GNIEW)	Launching Appliances (ZO, ZT); Winch (ER10B, ERM, WLZ43C-11)
VALIANT	Survival Crafts (RB-450)
VANGUARD MARINE LDA	Survival Crafts (SOLAS 450 RB)
VANGUARDE	Launching Appliances (DH, HSD, LE, MSD, PFH, PL, PR, PRH, SRH, VL, VSD); Release gear (C-SAFE, SH); Survival Crafts (VG-C, VG-DRS, VG-F, VG-FRK, VG-FRW, VG-HLB, VG-KR)
VEB SCHIFFSWERFT RECHLIN/MURITZ	Survival Crafts (GAL)
VERHOEF	Launching Appliances (FL); Release gear (TWISTLOCK); Winch (FL 50)
VESTDAVIT	Launching Appliances (L, P, PAP, PAPH, PL, PLA, PLAR, PLD, PLI, PLP, PLR, TBD); Release gear (LB)
VESTVINSJ	Winch (A-273-7, BW)
VIKING NORSAFE	Release gear (VIKING 1.6)
VIKING (NADIRO)	Release gear (DIB)
VIKING (NORSAFE)	Launching Appliances (A, C, CH-52, D, E, LH, NDA, NDC, NRB, NRC, NRC-R, SW); Release gear (GES, HRS, K4, NADIRO D.I.B, NFFH, RCH 36, TOR MK 1, TOR MK 2); Survival Crafts (470 GRP, JYN-C, JYN-F, JYN-MKI, JYN-T, MAGGIE-C, MAGGIE-T, MAGNUM, MAKO, MATILDA-C, MATILDA-T, MAUD-C, MAUD-T, MAXIMA-C, MAXIMA-T, MERLIN, MIDGET, MINIMA, MIRAM-C, MIRAM-T); Winch (NW, W)
VIKING (NORSAFE) (JIANGYIN)	Launching Appliances (NDSC, NDSC-R); Survival Crafts (MATRIX); Winch (HYD-FF, NW)
VIKING (NORSAFE) (JIANGYIN)	Launching Appliances (HD); Survival Crafts (GES); Winch (HYD-FF)
VIKING NEUVISA	Survival Crafts (RR-40)





WATERCRAFT (WATERCRAFT HELLAS)	Survival Crafts (4.9M-RB, MK 5)
WATERMAN OY	Survival Crafts (351, 365, 366, 366HRL, 367, 368, 371, 371HR, 377, 379, 391, 393)
WELIN LAMBIE	Launching Appliances (LRW, PIV.1.0A, SARBE); Winch (53, 55, 5619, 9502, 97, PIV.1.0A, RBW)
WHITTAKER	Survival Crafts (CA)
WILLIAM MILLS	Release gear (EMPRESS, TITAN)
WORKRIBS HOLLAND BV	Survival Crafts (WRH 635 FRB)
WUXI DONGWU	Launching Appliances (18KN-110KN, 21 - 35KN, 25KN -30KN, A30/H35, DCW210, F55-F70, NPT100F); Winch (DS/Z, DZ)
WUXI HAIDELONG MARINE EQUIPMENT CO., LTD.	Launching Appliances (HDFL, SA); Winch (SA23)
WUXI HAIHONG BOAT MAKING CO., LTD	Launching Appliances (23KN); Release gear (HH43); Survival Crafts (BH, BJ, GJ, HH-C, HH-CS, HH-FC, HH-FF, HH-T, HH-TS)
WUXI HUAHAI	Launching Appliances (HMD 21_32_M, HMD60-85-110, HMDA, PD); Winch (HMW)
WUXI HUAHUAI MARINE EQUIPMENT LIMITED CO. LTD	Winch (MW)
WUXI JIANGNAN MARINE EQUIPMENT CO., LTD	Launching Appliances (ZFQ)
WUXI MINGZI MACHINERY MANUFACTURING CO., LTD	Release gear (15KN, 21-37KN, 250T 25)
WUXI SHENGOU	Launching Appliances (HMDA, SHMDL, SMC, SMD, SMDF)
WUXI WENJIAO	Release gear (HK); Survival Crafts (BH, BJ, GJ, WJ, WJ-RA, WJ-RB, WJBC, WJBF, WJFF, WJFFC, WUXI WENJIAO / WJFFC)
WUXI XINGSHENG	Release gear (15KN, 21KN_23KN_25KN_35KN, XS, XS15)





XTENDERS	Survival Crafts (6.8M SOLAS TENDER)
YILMAZ DENIZCILIK	Launching Appliances (YDGS); Release gear (YDGS); Winch (YDGS 10)
YOUNGNAM MACHINERY CO.LTD	Launching Appliances (YNBD); Winch (YNBW)
Z MARINE	Launching Appliances (ZM ZRB 2500)
ZHEJIANG HENGXIN SHIP EQUIPMENT CO.,LTD	Winch (D)
ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	Launching Appliances (LB, SA23-1); Survival Crafts (BCC, BCF, BCFC, BCFF, FL-C, FL-F, GJ); Winch (DZ)
ZHEJIANG NORSIER LIFESAVING EQUIPMENT TECHNOLOGY CO.,LTD (ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD)	Release gear (HK40, NHK40)
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Launching Appliances (YSJ)
ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	Launching Appliances (FH, SA23-1); Release gear (HK); Survival Crafts (BCFF, GJ); Winch (DZ, IYJ4-50-120-20-ZP)
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Launching Appliances (SAF, SRH); Release gear (HK40, SH)
ZHENJIANG DH MARINE EQUIPMENT CO., LTD	Launching Appliances (MSD); Winch (DW)
ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	Launching Appliances (FH, L); Survival Crafts (ZJM-4.0, ZJM-FF)
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Launching Appliances (FH, HDCL, LE, PL, SAFC, SAW30, ZF); Release gear (HK, HK40); Survival Crafts (YH-DR, YH-FRA, YH-FRB, YH-QFP, YH-R, YHFP); Winch (D, DP, DS/DZ, SAW30)





ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Launching Appliances (WME-LRH35, WME-SAD); Winch (WME-LRH35, WME-SAD 14)
ZODIAC (SURVITEC)	Survival Crafts (H472S, RIB, RIBO)
ZODIAC HURRICANE	Survival Crafts (H561 PROLUXE)
ZODIAC MILPRO INTERNATIONAL	Survival Crafts (RIBO)
ZOLLERN	Winch (A2FM45-61A, ZHP, ZR)
Previous INSB DOA ref:	DEV/DOA/LF/200/24

#### Provisions:

- Service Suppliers are to keep records of the approved operators / technicians / inspectors including information on their training and experience for the services for which they are approved.
- Equipment used by the approved Service Suppliers shall be appropriate for their scope of work and must regularly tested and calibrated according to their ISO certified operating procedures.
- For categories of Service Suppliers that require certification from Manufacturers, Manufacturer's documentary evidence that the Service Supplier has been certified or licensed to service the particular makes and models of equipment should be retained at their care and responsibility.

#### This Document of Approval may be withdrawn if:

1. The services rendered have been improperly carried out or the results improperly reported.
2. The necessary provisions for the maintenance of the approval elapse.

