

Certificate No: AOSS0000MW4

## APPROVAL OF SERVICE SUPPLIERS

This is to certify that

SWL Rope Lifting & Testing Ltd T/A Lloyds Ship Safety Services Ltd

Portsmouth Hants, United Kingdom

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 2024-07-10 to (inclusive) 2027-07-09.

This Certificate is issued on 2024-07-16.



for **DNV** 

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

> Moraes, José Guilherme Surveyor

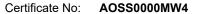
This Certificate may be withdrawn if:

- 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.
- The firm has failed to inform of any major changes having effect on the quality of the service rendered.
   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.



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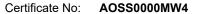




**Application:**The approval is granted for maintenance, thorough examination, operational testing and repair of the following equipment:

| LIST OF APPROVED EQUIPMENT, MAKER AND MODEL  |  |  |
|--|--|--|
| MODEL/SERIES   |  |  |
| SBG, RAD TP, FE, FEM   |  |  |
| DC, DR series, 09KNT, 16KNT SERIES   |  |  |
| DH, BDR, BDR   |  |  |
| R, PFH, PFL, PFD   |  |  |
| D-RT, D-H, D-FG, D-FH, C-FS, D-CR, D-RC, D-BC, DNP.SP, D-NP, MP, D-NPS, D-BR, D-ND   |  |  |
| DHG, DHDG, DLRD, DRDB, DNRD, D-SAD   |  |  |
| DWS  |  |  |
| FOD, FSAR, FPD, FOH, FHD, FMPD   |  |  |
| LMS, LMES, RMS, RMES, RSP, RHS, RES, LML, RML, RHL, RHP, FHS, GSP, GLP, UDSP, UDR  |  |  |
| FF, RLC, PD, HD, FOD   |  |  |
| FFD series, RRS  |  |  |
| FF,BDH58S  |  |  |
| FFA, FFA LP, FFB, GSP.FLH, GSP.O, GspFPW07, W10, W26   |  |  |
| HL6D   |  |  |
| Н  |  |  |
| JYL,JYF,JYR21  |  |  |
| NPT-DF,NPT-DL,NPT-DR   |  |  |
| FA, SA, SAC  |  |  |
| series: E, M, S,R, D-FH, MFH   |  |  |
| GDMP, GDET, NPS, DGHW hydraulic station, DGHW control stand, SPTD, FOLS, SGSHD, SGHD, SPHD, FRB, UDSP, UDR   |  |  |
| 1.2 Davit and Winch  |  |  |
| PRH, SCM Series, FME series  |  |  |
| A, C   |  |  |
| NDA, HD, NDSC, NRC   |  |  |
| FD, RD   |  |  |
| HGD, SHS   |  |  |
| RCL21/35, SAR  |  |  |
| BD-AR series, BD-PV series, BD-FA series, BD-FF series, FH series, BD-PL series, BD-SA series  |  |  |
| Davit-series NT, RSD, SRR, LT, SAP, MP, 21/14/ ST, SAT, LA700, VIP, SA, SPR, NDP, SA series, FME series, NP75 MOB-SP, HD/SA, HD/25, HPL, SPLC, UDR, UDSP, UNIC, PD, SPLCH, SPLDH, W SERIES |  |  |
| NDP, SA series, FME series   |  |  |
| Davit GT, HT, MT, MS, WP, WL   |  |  |
| SHS series davi, SFS, SJR, SJS   |  |  |
| ZZ-ZOT, ZZ-ZOL, ZZ-ZOLT  |  |  |
| SC55DL   |  |  |
| CL, PL   |  |  |
| Woo II Liferaft Davit, Woo II Rescue Boat Davit  |  |  |
|  |  |  |
| HMD  |  |  |
|  |  |  |

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| LIST OF APPROVED EQUIPMENT, MAKER AND MODEL |   |  |
|---|---|--|
| Zheinjiang Marine                           | HE, RE, LE, GL, PL, LFR   |  |
|   | , , , , , ,   |  |
| SURIVAL CRAFTS (LIFEBOAT)                   |   |  |
| MAKES                                       | MODELS/SERIES   |  |
| Fassmer                                     | GAR, CFL, GMR, DRAGON, CL/CLR Series, SEL(semi enclosed), PL  |  |
| Gepa Fibreglass                             | G-FFF(2)-FP) series   |  |
| Greben                                      | HFRseries,FFL series,TEL series   |  |
| Hyundhai                                    | HLB65F  |  |
| Hatecke                                     | GFF,GSL,GSAR semi enclosed-PEL,PL   |  |
| Jiangsu Jiaoyan                             | JY-FN-6.80,GJ 4.25  |  |
| Jiangyin Neptune                            | NPT series  |  |
| Jiangyinshi Beihai                          | JYB series  |  |
| Qingdao Beihai                              | BH-F series, BH series  |  |
| Schat Harding/Harding/Watercraft            | FREEFALL FF700, RRB500, LBT500, MCB series, MCM28, 8.0PE, 8-MxL, NPD series   |  |
| Shigi Shipbuilding                          | FEL, SZ-BR, SZ-TR   |  |
| Tsuneishi                                   | TL series   |  |
|   |   |  |
| RELEASE GEAR                                |   |  |
| MAKES                                       | MODELS/SERIES   |  |
| Acta  | L, S-1  |  |
| Bada Hi                                     | BHR SERIES  |  |
| Bianchi & Cecchi                            | U-Hook series   |  |
| Davit International                         | RH-20, OLH, OFFLOAD, RH, ALH  |  |
| Fassmer                                     | Duplex, FRR Duplex, Simplex Fassmer Freefall Release Hook, Duplex   |  |
| Gepa Fibreglass                             | G-FFRM series   |  |
| Global Davit                                | HR,HRN,HRL  |  |
| Greben                                      | NLH   |  |
| Hyundhai                                    | Talon, Talon II SERIES  |  |
| Hatecke                                     | Duplex 2.6, Duplex 3.0, Duplex 3.5, Duplex 4.3/4.6, Duplex 6.0, Duplex<9t gff-r-10,gff-r-11,gff-r-8,="" rafti="" 2.5simplex="" 2.5="" offload="" hook,="" simplex="" 2.0="" to="" 2.0i,simplex3.0,="" simplex="" 4.3,="" simplex="" 6.0,="" simplex=""> |  |
| Henrikson                                   | HLH series, HMKST/HMKG, HMK3.5/HMK5.0, HCH(T)   |  |
| Ishihara                                    | IHM series  |  |
| Jiangsu Jiaoyan                             | JX series, T-ISS  |  |
| Jiangyin Neptune                            | NPT series  |  |
| Jiangyinshi Beihai                          | HK hook   |  |
| Jiangyin Xinjiang                           | ZX1   |  |
| Madrock<br>Mansei                           | R0CLOC series<br>RH-3   |  |
| Nadiro/Viking Nadiro                        | Drop in Ball Hooks, DIB series  |  |
| Navalimpianti                               | R.H.3000  |  |
| Ned Deck (Palfinger)                        | CA R35  |  |
| Norsafe                                     | TOR, K4-FM, HK Hooks, TOR MK2 series  |  |
| Palfinger Harding                           | ARH23, ARH33  |  |
| Parker Hannifin                             | Hydraulic Release System  |  |

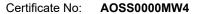
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| LIST OF APPROVE  | ED EQUIPMENT, MAKER AND MODEL  |
|--|--|
| Pellegrini   | GRA  |
| Qingdao Beihai   | BG   |
| Schat Harding  | TOR, Titan, 50-85-100, LHR, ARH/RRH, H-86-M, H-86-M-FF, RH 1.5, KH series  |
| Sezamor  | HS, HL, HLR  |
| Shigi Shipbuilding   | SRS, SZK   |
| Survival System International  | Triple 5   |
| Survitec Survival Craft  | Safe Launch ROC-LOC series, LRRS, LSA, Safe Launch series  |
| Vanguard   | SH50-85-100/C-SAFE   |
| Wuxi Mingzi  | WHK, 15 kN, 21-25kN, 31-37kN   |
| Wuxi Xingsheng   | 15kN, 21kN, 23kN,25kN,35kN   |
| Zheijiang Hengxin  | HK series  |
| Zheinjiang Marine  | нк   |
| RESCUE BOATS   |  |
| MAKES  | MODELS/SERIES  |
| Fassmer  | RR Series,FR   |
| Gepa Fibreglass  | G-RB Series  |
| Greben   | RB4.3  |
| Hatecke  | RB AB, RA AB Duplex, RB AB FH, RB IB, RB/RFB AB FH   |
| Jiangyin Neptune   | NPT series   |
| Norsafe  | Midget   |
| Schat Harding  | 17-17S   |
| Shigi Shipbuilding   | VOX  |
| Vanguard   | 420  |
| Zheijiang Hengxin  | Rescue Boat  |
| Zheinjiang Marine  | Rescue Boat  |
| Zodiac   | RIBo series  |
| LAUNCHING APPLIANCE (WINCH)  |  |
| MAKES  | MODELS/SERIES  |
| Acebi  | TBE,TR,TE  |
| Bada Hi  | BWL, BHI, BRW, FW045   |
| D#-  | SPT  |
| Beretta  |  |
| Davit International  | .01, .02, .03, .04, .06, .07, .12, .14, .18, .26, .34, .40, .60, 0.3nKm, 02nKm series  |
|  |  |
| Davit International  | 0.3nKm, 02nKm series   |
| Davit International  Dongnam International   | 0.3nKm, 02nKm series<br>HGW, DHGD, DLBW, DRLD, LRHW, DRDB, DSAD  |
| Davit International  Dongnam International  Dongwoo  | 0.3nKm, 02nKm series  HGW, DHGD, DLBW, DRLD, LRHW, DRDB, DSAD  DWS,LW,RW  DEW, DEW85.5, 2000-40, DEW150, DEW450, DEW15- 44, DEW40, DEW85, DEW2000  W05-HC.02.01, W02-04, W07-08, W10-26, W26, W02, W04, GspFH series                             |
| Davit International  Dongnam International  Dongwoo  Fassmer   | 0.3nKm, 02nKm series  HGW, DHGD, DLBW, DRLD, LRHW, DRDB, DSAD  DWS,LW,RW  DEW, DEW85.5, 2000-40, DEW150, DEW450, DEW15- 44, DEW40, DEW85, DEW2000  W05-HC.02.01, W02-04, W07-08, W10-26, W26, W02,   |
| Davit International  Dongnam International  Dongwoo  Fassmer  Global Davit                             | 0.3nKm, 02nKm series  HGW, DHGD, DLBW, DRLD, LRHW, DRDB, DSAD  DWS,LW,RW  DEW, DEW85.5, 2000-40, DEW150, DEW450, DEW15- 44, DEW40, DEW85, DEW2000  W05-HC.02.01, W02-04, W07-08, W10-26, W26, W02, W04, GspFH series                             |
| Davit International  Dongnam International  Dongwoo  Fassmer  Global Davit  Greben                     | 0.3nKm, 02nKm series  HGW, DHGD, DLBW, DRLD, LRHW, DRDB, DSAD  DWS,LW,RW  DEW, DEW85.5, 2000-40, DEW150, DEW450, DEW15- 44, DEW40, DEW85, DEW2000  W05-HC.02.01, W02-04, W07-08, W10-26, W26, W02, W04, GspFH series  EW                         |
| Davit International  Dongnam International  Dongwoo  Fassmer  Global Davit  Greben  Gurdesan           | 0.3nKm, 02nKm series  HGW, DHGD, DLBW, DRLD, LRHW, DRDB, DSAD  DWS,LW,RW  DEW, DEW85.5, 2000-40, DEW150, DEW450, DEW15- 44, DEW40, DEW85, DEW2000  W05-HC.02.01, W02-04, W07-08, W10-26, W26, W02, W04, GspFH series  EW  KHK,KV,FLW1            |
| Davit International  Dongnam International  Dongwoo  Fassmer  Global Davit  Greben  Gurdesan  Hyundhai | 0.3nKm, 02nKm series  HGW, DHGD, DLBW, DRLD, LRHW, DRDB, DSAD  DWS,LW,RW  DEW, DEW85.5, 2000-40, DEW150, DEW450, DEW15-44, DEW40, DEW85, DEW2000  W05-HC.02.01, W02-04, W07-08, W10-26, W26, W02, W04, GspFH series  EW  KHK,KV,FLW1  BDH series |

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| LIST OF APPROVED EQUIPMENT, MAKER AND MODEL |   |  |
|---|---|--|
| Jiangyinshi Beihai                          | D,DW  |  |
| Mansei                                      | EW, MW, SW, 06.05.02  |  |
| Navalimpianti                               | EW, EWR, REW, RBEW, RMW, GDEH-W, DGHW<br>XX09, DGHW XX25-41, DGHW XX25-V, DGHW XX45-<br>V, EW-THB93-140, SDHW, EHW, HW    |  |
| Ned Deck (Palfinger)                        | FD, HW CT   |  |
| Ningbo Kairong                              | Hydraulic, Electric   |  |
| Norsafe                                     | HD, DW, ZR  |  |
| Oriental                                    | FFL, RDW, RDM   |  |
| Oriental Sekigahara                         | BWE, SWE series   |  |
| Pellegrini                                  | EW-2QC  |  |
| Qingdao Beihai                              | BW-LL, BW-SM  |  |
| Schat Davit                                 | EB, EBR, SERIES: 2-22, 2-38, 2-58, 3-38, 3-58, BE, 04, 08, 0-13, 1-13, NT, CW, W, LW, TW, RW, EW-02-PL, FME, HD/W.BO, BE6 |  |
| Sekigahara                                  | SWE   |  |
| Sezamor                                     | WT, WL, WLT   |  |
| Vanguard                                    | C,P   |  |
| Woo II                                      | Woo II Liferaft Manual Winch, Woo II Rescue Electric Winch  |  |
| Wuxi Huahai                                 | HMW   |  |
| Youngman                                    | YNBW  |  |
| Zheinjiang Marine                           | D, DP, LHR  |  |
| Zollern                                     | ZHP series  |  |

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