

# APPROVAL OF SERVICE SUPPLIERS

This is to certify that

**REPFORN - Reparação e Fornecimento Navais, Lda**

**Sines, Portugal**

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

This Certificate is issued on **2024-03-05**.



for **DNV**

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

**González Martín, Guillermo**  
**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This Certificate may be withdrawn if: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:

This Service Supplier is approved for maintenance, thorough examination, operational testing, overhaul and repair of the following equipment:

<b>SURVIVAL CRAFT (Lifeboats (incl. Freefall lifeboats), rescue boats and fast rescue boats)</b>	
<b>MAKER</b>	<b>TYPE/ MODEL</b>
ACEBI	Partially enclosed lifeboat, twin fall/PELB-series
ACEBI	Totally enclosed lifeboat, twin fall, tanker version/TELB-series
BALDEN	Totally enclosed lifeboat, freefall/BD-FFC-series, BD-FFT-series
BALDEN	Totally enclosed lifeboat, twin fall, dry version/BD-LB-series
BALDEN	Totally enclosed lifeboat, twin fall, tanker version/BD-LB-series
FASSMER	Fast Rescue Boat, single fall/FRR-series
FASSMER	Partially enclosed lifeboat, twin fall/CL-P-series, PLL-series, PLTseries, SEL-series
FASSMER	Rescue Boat, single fall/FRIR-series, RR-series
FASSMER	Totally enclosed lifeboat, freefall/CFL-series, GAR-series, GAR-Tseries
FASSMER	Totally enclosed lifeboat, twin fall, dry version/CL-series, CLR-C-series, CLXseries, GMR-series
FASSMER	Totally enclosed lifeboat, twin fall, tanker version/CL-series, CLR-T-series, CLXseries, DRAGON-series,
GREBEN	Partially enclosed lifeboat, twin fall/PEL-series
GREBEN	Rescue Boat, single fall/RB-series
GREBEN	Totally enclosed lifeboat, freefall/FFL-series
GREBEN	Totally enclosed lifeboat, twin fall, dry version/TEL-series
GREBEN	Totally enclosed lifeboat, twin fall, tanker version/TEL-FP-series
HLB ( HYUNDAI LIFEBOATS)	Fast Rescue Boat, single fall/HDFR-series
HLB ( HYUNDAI LIFEBOATS)	Rescue Boat, single fall/HDR-series
HLB ( HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, freefall/HDF25T-series, HDFL740F-series, HDFN-F-series, HDFN-T-series
HLB ( HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, dry version/HDL-series, HLB-series, HT78-series
HLB ( HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, tanker version/HDL-series, HDL-CF-series, HLBseries
HOEI SENPAKU CO.,LTD	Totally enclosed lifeboat, twin fall, dry version/HS-series
HOEI SENPAKU CO.,LTD	Totally enclosed lifeboat, twin fall, tanker version/HS650F-series, HSF-series
IHI MARINE UNITED INC	Open lifeboat, twin fall/G-series
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, dry version/GTC-series, GTC-C-series
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, tanker version/GT-F-series, GTC-F-series, GTRF-series
JIANGYIN XINJIANG	Rescue Boat, single fall/GJ-series, GJ- B-series
JIANGYIN XINJIANG	Totally enclosed lifeboat, freefall/JY-FN-series
JIANGYINSHI BEIHAI	Fast Rescue Boat, single fall/JYB-G-series, JYB-Q-series

JIANGYINSHI BEIHAI	Open lifeboat, twin fall/JYB-K-series
JIANGYINSHI BEIHAI	Partially enclosed lifeboat, twin fall/JYB-B-series
JIANGYINSHI BEIHAI	Rescue Boat, single fall/JY-BR-series, JYB-KR-series, SCK-series, SC-KR-series
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, freefall/JYB-FC-series, JYB-FF-series
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, twin fall, dry version/JYB-C-series
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, twin fall, tanker version/JYB-F-series
NARWHAL	Rescue Boat, single fall/SV-series
NARWHAL (DAFER)	Fast Rescue Boat, single fall/SV-series
NED-DECK MARINE (PALFINGER)	Rescue Boat, single fall/NMD 4.40 RESCUE-series
NED-DECK MARINE (PALFINGER)	Totally enclosed lifeboat, twin fall, tanker version/NPT-series, PN85F-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Fast Rescue Boat, single fall/BH-HR7-series, FRB-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Partially enclosed lifeboat, twin fall/BH10-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Rescue Boat, single fall/BH-R-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, freefall/BH-F-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, dry version/BH-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, tanker version/BH-series
WUXI HAIHONG BOAT MAKING CO.,LTD.	Totally enclosed lifeboat, twin fall, dry version/HH76FC-series
WUXI HAIHONG BOAT MAKING CO., LTD	Open lifeboat, twin fall/BH-series, BJ-series
WUXI HAIHONG BOAT MAKING CO., LTD	Rescue Boat, single fall/GJ-series
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, freefall/HH-FC-series, HH-FF-series
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, twin fall, dry version/HH-C-series, HH-CS-series
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, twin fall, tanker version/HH-T-series, HH-TS-series
ZODIAC (SURVITEC)	Fast Rescue Boat, single fall - RIB-series/Rescue Boat, single fall - H472S-series, RIBO-series
JIANGYIN NEPTUNE MARINE	F Rescue Boats, single fall / Partially enclosed lifeboat, twin fall / rescue boat single fall, totally lifeboat freefall NPT-RA, NPT-P, NPT-PT, NPT-R, NPT-RA, NPT-RB, NPT-RFA, NPT-FA, NPT-FC, NPT-FCA, NPT-FF series
<b>LAUNCHING APPLIANCES (Lifeboats (incl. Freefall), rescue boats, fast rescue boats and davit launched liferafts)</b>	
<b>MAKER</b>	<b>TYPE/ MODEL</b>
ACEBI	Free fall secondary hydraulic A Frame/TPF-series
ACEBI	Gravity single and twin fall outrigger/A-series, AF-series, PF-series
ACEBI	Single arm Slewing/PFR-series, RRP-series, TPUseries
ACEBI	Single Fall Rescue / Fast Rescue Boat A Frame Hydr./TPF-series, TPU-series

ACEBI	Twin / Single Fall Gravity Rollertrack/GRA-series
ACEBI	Twin Fall Gravity Pivoting / Luffing/SPG-series
ACEBI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Low./TPC-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Free fall secondary hydraulic A Frame/BDF-series, HDFL-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Gravity freefall primary/BDF-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Gravity single and twin fall outrigger/BFOD-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single arm Slewing/BDR-series, BLR-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single Fall Rescue / Fast Rescue Boat A Frame Hydr./BDA-series, BDFA-series, BFRDseries
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single or Twin Fall Lifeboat Rescue Boat / Fast/Rescue Boat Telescopic Hyd.- BDTD-series, TT-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin / Single Fall Gravity Rollertrack/BDTW-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Gravity Pivoting / Luffing/BDH-series, BDMS-series, HINGED GRAVITY-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Low./BDH-series
DAVIT INTERNATIONAL	Free fall secondary hydraulic A Frame/D-FH-series
DAVIT INTERNATIONAL	Gravity freefall primary/D-TF-series
DAVIT INTERNATIONAL	Gravity single and twin fall outrigger/D-FO-series, D-FOS-series
DAVIT INTERNATIONAL	Single arm Slewing, D-BR-series, D-CR.R-series, DCRH.R-series, D-CRM, series, DFOS-series, D-RC-series, D-RC.Tseries, D-SR04-series, D.BC.Rseries, D.CRE.R-series
DAVIT INTERNATIONAL	Single Fall Rescue / Fast Rescue Boat A Frame Hydr.D-NPS.FR-series, D-NPS.Mpseries, D-NPS.SP-series, D-TT.SP.-series
DAVIT INTERNATIONAL	Single or Twin Fall Lifeboat Rescue Boat/ Fast, D-NPS.FR-series, D-NPS.Mpseries, D-NPS.SP-series, D-FP.R-series, D-TT-series, DTT.SP-series
DAVIT INTERNATIONAL	Twin / Single Fall Gravity Rollertrack/D-RT-series
DAVIT INTERNATIONAL	Twin Fall Gravity Pivoting / Luffing/D-NP-series, D-NP.MP-series
DAVIT INTERNATIONAL	Twin Fall Hydraulic / Pivoting / Luffing Gravity Low./D-NP-series, D-SP-series
DONGNAM MARINE CRANE CO.,LTD.	Single arm Slewing - DCPV-series, DNRD-series,/DRBLRD-series,DRLD-series,DSAC-series,DSAD-serie
DONGNAM MARINE CRANE CO.,LTD.	Twin Fall Gravity Pivoting / Luffing/DHGD-series
FASSMER	Free fall secondary hydraulic A Frame/FFH-series
FASSMER	Gravity freefall primary/FLR-series
FASSMER	Single arm Slewing/FSARR-series

FASSMER	Twin Fall Gravity Pivoting / Luffing/FPD-series
FASSMER	Twin Fall Hydraulic / Pivoting / Luffing Gravity Low./FMPD-series
GREBEN	Free fall secondary hydraulic A Frame/FFL-28-series, HFF-series
GREBEN	Gravity single and twin fall outrigger/FOD-series
GREBEN	Single arm Slewing/RLC-series, SAR-series
GREBEN	Twin / Single Fall Gravity Rollertrack/GR-RTD-series
GREBEN	Twin Fall Gravity Pivoting / Luffing/SPG-series
GREBEN	Twin Fall Hydraulic / Pivoting / Luffing Gravity Low./GD-PD-series, HD-series
IHI MARINE UNITED INC	Twin Fall Gravity Pivoting / Luffing/MUL-series
IKNOW MACHINERY (TSUJI HEAVYINDUSTRIES)	Twin Fall Gravity Pivoting / Luffing/HD-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Free fall secondary hydraulic A Frame/JYF-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Gravity single and twin fall outrigger/JYP-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single arm Slewing/JYR-series, JYRCA-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single Fall Rescue / Fast Rescue Boat A Frame Hyd./JYA-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin / Single Fall Gravity Rollertrack/JYGR-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Fall Gravity Pivoting / Luffing/JYL-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Low./JYHG-series
JIANGYINSHI BEIHAI	Free fall secondary hydraulic A Frame/FA-series
JIANGYINSHI BEIHAI	Gravity single and twin fall outrigger/PD-series
JIANGYINSHI BEIHAI	Single arm Slewing/SA-series, SAC-series, SMR-series
JIANGYINSHI BEIHAI	Single Fall Rescue/Fast Rescue Boat A Frame Hydr./EHRD-series, FRH-series, SRHseries
JIANGYINSHI BEIHAI	Twin / Single Fall Gravity Rollertrack/HB-H-series, RB-H-series
JIANGYINSHI BEIHAI	Twin Fall Gravity Pivoting / Luffing/BH-G-series, LA-series, LB-Hseries
JIANGYINSHI BEIHAI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Low./BHG-series
MIURA MACHINE CO.,LTD (MIURA VIDER) (MANSEI)	Twin Fall Gravity Pivoting / Luffing/MVD-series, SPG(VD)-series
NED-DECK MARINE (PALFINGER)	Free fall secondary hydraulic A Frame/FFH-series
NED-DECK MARINE (PALFINGER)	Gravity single and twin fall outrigger/FPG-series
NED-DECK MARINE (PALFINGER)	Single arm Slewing/SCH-series, SCM-series, SCTseries, SEC-series
NED-DECK MARINE (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hyd./PFH-series, PRH-series, PRHseries

NED-DECK MARINE (PALFINGER)	Twin Fall Gravity Pivoting / Luffing/PL-series
NORSAFE	Single Fall Rescue / Fast Rescue Boat A Frame Hyd./NDA-series
ORIENTAL PRECISION	Free fall secondary hydraulic A Frame/FD-series
ORIENTAL PRECISION	Single arm Slewing/RD-series, SHS-series
ORIENTAL PRECISION	Twin / Single Fall Gravity Rollertrack/RTD-series
ORIENTAL PRECISION	Twin Fall Gravity Pivoting / Luffing/DHA-series, DMA-series, HGDseries, HGK-series
ORIENTAL PRECISION - SEKIGAHARA	Twin Fall Gravity Pivoting / Luffing/SHS-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Free fall secondary hydraulic A Frame/BD-FF-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Gravity single and twin fall outrigger/BD-PL-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single arm Slewing/BD- SA-series, BD-SH-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydr./BD-AR-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin Fall Gravity Pivoting / Luffing/BD-PV-series
TSUJI HEAVY INDUSTRIES	Single arm Slewing/RP-series
TSUJI HEAVY INDUSTRIES	Twin / Single Fall Gravity Rollertrack/T83-series, TC-series
TSUJI HEAVY INDUSTRIES	Twin Fall Gravity Pivoting / Luffing/H-series
WUXI HAIHONG BOAT MAKING CO., LTD	Single arm Slewing/23KN-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single arm Slewing/WME-SAD-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydr./WME-LRH35-series
JIANGYIN NEPTUNE MARINE	Twin Fall Gravity Pivoting / Luffing/ Free fall secondary hydraulic A Frame/ Gravity single and twin fall, outrigger/ Single arm Slewing/ Single Fall Rescue / Fast Rescue Boat A Frame Hyd. NPT 60DL, NPT-DF, NPT-DP, NPT-PL, NPT-DR, NPT-BE, NPT-DR, NPT-DL, NPT-DP, NPT-DYL series
<b>RELEASE GEAR (Lifeboats (incl. Freefall), rescue boats, fast rescue boats and davit launched liferafts)</b>	
<b>MAKER</b>	<b>TYPE/ MODEL</b>
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices For Activating Release: Central Release Unit/BD-LH-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices for activating release: Free Fall Hydraulic/Primary and Secondary - BHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Freefall Hydraulic / mechanical/BHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat / Davit Launched Liferaft / Lift over/centre automatic - BHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat offload lift over center/BHR-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat offload w. Onload capability/BHR25S-series

BALDEN	Lifeboat on load lift not over centre, flat to flat/flat rotating cams - BD-LBH-series
BALDEN	Rescue boat / Davit Launched Liferaft / Lift over/centre automatic - BDHR-series
DAVIT INTERNATIONAL	Rescue boat offload lift over center/OLH-series
DAVIT INTERNATIONAL	Rescue boat offload w. Onload capability/RH-series
FASSMER	Devices For Activating Release: Central Release Unit/DUPLEX < 6.6t-series,="" duplex=""> 6T-series
FASSMER	Devices for activating release: Free Fall Hydraulic/Primary and Secondary - FFH-series
FASSMER	Devices For Activating Release:Hydrostatic with float/DUPLEX < 6.6t-series,="" duplex=""> 6T-series
FASSMER	Freefall Hydraulic / mechanical/F-series
FASSMER	Lifeboat on load lift not over centre, Curve to flat/rotating cams - DUPLEX>6T-series
FASSMER	Lifeboat on load lift not over centre,forward or revers/curve to curve rotating cams - DUPLEX<>
GREBEN	Devices For Activating Release: Central Release Unit/NLH-series
GREBEN	Devices For Activating Release: Electronic Sensor/NLH-series
GREBEN	Lifeboat on load lift not over centre, up and down/pins / collars - NLH-series
HLB ( HYUNDAI LIFEBOATS)	Devices For Activating Release: Central Release Unit/TALON MK 1-series, TALON MK 2-series
HLB ( HYUNDAI LIFEBOATS)	Devices For Activating Release: Hydrostatic unit with/Diaphragm - TALON MK 1-series, TALON MK 2-series
HLB ( HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, flat to flat /rotating cams - TALON MK 1-series
HLB ( HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre,forward or rever./curve to curve rotating cams - TALON MK 2-series
HOEI SENPAKU CO.,LTD	Devices For Activating Release: Central release unit/HS-series, HS520 96-series,HS650 96-series
HOEI SENPAKU CO.,LTD	Devices For Activating Release: Hydrostatic unit with/diaphragm - HS-series, HS 520 96,HS650 96-series
HOEI SENPAKU CO.,LTD	Lifeboat on load lift not over centre, Curve to flat /rotating cams- HS520 96-series, HS650 96-series
HOEI SENPAKU CO.,LTD	Lifeboat on load lift not over centre, flat to flat/rotating cams- HS-series
HOEI SENPAKU CO.,LTD	Lifeboat on load lift not over centre, up and down /pins/collars - HS520 83-series, HS650 83-series
IHI MARINE UNITED INC	Devices For Activating Release: Central release unit/JX-1-series
IHI MARINE UNITED INC	Devices For Activating Release: Hydrostatic unit with/diaphragm - JX-1-series
IHI MARINE UNITED INC	Lifeboat on load lift not over centre, up and down /pins/collars - JX-1-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices For Activating Release: Central release unit / JX-1-series, JX-1B-series,JXN-1B-series, JXN-1C-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices for activating release: Free Fall hydraulic / diaphragm - JX-1, JX-1B,JXN-1B, JXN-1C-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO.,	Devices For Activating Release: Hydrostatic unit with / diaphragm - JX-1, JX-1B,JXN-1B, JXN-1C-series



LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Fast Rescue Boat Offload with On-Load capability/JXN-3-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Freefall Hydraulic / mechanical/JX-2-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Lifeboat on load lift not over centre, up and down /pins/ collars- JX-1, JX-1B, JXN,JXN-1B, JXN-1C series
JIANGYINSHI BEIHAI	Devices For Activating Release: Central release unit/JYB-HK-series
JIANGYINSHI BEIHAI	Devices For Activating Release: Hydrostatic unit with/diaphragm - JYB-HK-series
JIANGYINSHI BEIHAI	Fast Rescue Boat Offload with On-Load capability/JYB-HK-series
JIANGYINSHI BEIHAI	Freefall Hydraulic / mechanical/JYB-HKF-series
JIANGYINSHI BEIHAI	Lifeboat on load lift not over centre, Curve to flat /rotating cams - JYB-HK-series
NED-DECK MARINE (PALFINGER)	Rescue boat / Davit Launched Liferaft / Lift over /center automatic - CAR 35-series
NORSAFE	Lifeboat on load lift not over centre, forward or rever./curve to curve rotating cams-TOR MK 2-S/6 TON-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Devices For Activating Release: Central release unit/BG-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Devices For Activating Release: Hydrostatic unit with/diaphragm - BG-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Freefall Hydraulic / mechanical/BG-F-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Lifeboat on load lift not over centre, flat to flat/rotating cams - BG-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Rescue boat offload w. Onload capability/BG-2R-series
JIANGYIN NEPTUNE MARINE	Devices For Activating Release: /NPT-50, NPT-HAN, NPT-HKC, PN-HCK, PN-HKC, NPT-30 HK, NPT 70HKF, NPT-HK, NPT 50, NPT-HK25F, NPT-HK25R series

## WHINCHES

MAKER	TYPE/ MODEL
ACEBI	Single Drum Gravity lowering electric/hoisting lifeboat / rescue boat / static brakepad, cone, disk, band / decent brakecentrifugal pads - TBE-series
ACEBI	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal pads - TR-series
ACEBI	Twin Drum, gravity-lowering/electrically/hoisting w/holding static brakes withmechanically operated multiple disksfriction pads / decent brake centrifugal wpads - TBE-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal pads - BDF-series, BLW-series, BMWseries,BRW-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single Drum, hydraulic-lowering/hydraulic/hoisting - HDF-series



BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Drum, gravity-lowering/electrically/hoisting w+A18:B35 /disk / pads /band / decent brake centrifugal w pads - BA-series, BM-series, ELEC.MOTOR DRIVEN-series, PWDseries
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Drum, gravity-lowering/electrically/hoisting w/holding static brakes withmechanically operated multiple disksfriction pads / decent brake centrifugal wpads - BDTW-series, BMW-series, BWseries, BWR-series
BADA HEAVY INDUSTRIES CO., LTD.	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal pads- BHI-EHW-series, BLW-series
DAVIT INTERNATIONAL	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal pads - 01KN-series, 02KN-series, 03 KNseries,04KN-series, 07KN-series
DAVIT INTERNATIONAL	Single Drum, hydraulic-lowering/hydraulic/hoisting - 06KN-series
DAVIT INTERNATIONAL	Twin Drum, gravity-lowering/electrically/hoisting w / static brake cone /disk / pads /band / decent brake centrifugal w pads 12-series, 40-series
DONGNAM MARINE CRANE CO.,LTD.	Single Drum Gravity lowering electric/hoisting lifeboat / rescue boat / static brakepad, cone, disk, band / decent brakecentrifugal pads - DSAD-series
DONGNAM MARINE CRANE CO.,LTD.	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal pads - DRBD-series, DRBLRW-series
FASSMER	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal pads - DEW-series
FASSMER	Twin Drum, gravity-lowering/electrically/hoisting w/holding static brakes withmechanically operated multiple disksfriction pads / decent brake hydraulic pumpFDW-series
FASSMER	Twin Drum, gravity-lowering/electrically/hoisting w/holding static brakes, multipledisks, hydraulically operated / decent brakehydraulic pump - FDW-series
FASSMER	Single Drum, hydraulic-lowering/hydraulic/hoisting - FFWH-series
GREBEN	Single Drum, hydraulic-lowering/hydraulic/hoistingHW-series
GREBEN	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal padsEW-2-series
GREBEN	Twin Drum, gravity-lowering/electrically/hoisting w/holding static brakes withmechanically operated multiple disksfriction pads / decent brake centrifugal w pads - MUW-series
IHI MARINE UNITED INC	Twin Drum, gravity-lowering/electrically/hoisting w/holding static brakes withmechanically operated multiple disksfriction pads / decent brake centrifugal w pads - MUW-series
IKNOW MACHINERY (TSUJI HEAVY INDUSTRIES)	Twin Drum, gravity-lowering/electrically/hoisting w/holding static brakes withmechanically operated multiple disks friction pads /decent brake centrifugal w pads - EB-SERIES
JIANGYINSHI BEIHAI	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal pads - YZ-series
JIANGYINSHI BEIHAI	Twin Drum, gravity-lowering/electrically/hoisting w/holding static brakes withmechanically operated multiple disksfriction pads / decent brake centrifugal w padsDS-series, DW-series, DZ-series, JYBW-series
MIURA MACHINE CO.,LTD (MIURA VIDER) (MANSEI)	Twin Drum, gravity-lowering/electrically/hoisting w / static brake cone /disk / pads /band / decent brake centrifugal w padsLBH-series, RBH-series
NED-DECK MARINE (PALFINGER)	Single Drum Gravity lowering electric/hoisting lifeboat / rescue boat / static brakepad, cone, disk, band / decent brakecentrifugal pads - 04-series

NED-DECK MARINE (PALFINGER)	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal pads - BREVINI BWC 050-series,BREVINI BWF 025-series, HWCT-series
NED-DECK MARINE (PALFINGER)	Twin Drum, gravity-lowering/electrically/hoisting w / static brake cone /disk / pads /band / decent brake centrifugal w pads15-series
NORSAFE	Twin Drum, gravity-lowering/electrically/hoisting w/holding static brakes withmechanically operated multiple disksfriction pads / decent brake centrifugal w pads NW-series
ORIENTAL PRECISION	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal padsRDW-series
ORIENTAL PRECISION	Single Drum, hydraulic-lowering/hydraulic/hoisting - WL-seriesTwin Drum, gravity-lowering/electricallyhoisting w/holding static brakes with
ORIENTAL PRECISION	Twin Drum, gravity-lowering/electrically/hoisting w/holding static brakes withmechanically operated multiple disksfriction pads / decent brake centrifugal wBWE-series, SWE-series
TSUJI HEAVY INDUSTRIES	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal pads - TC-series
TSUJI HEAVY INDUSTRIES	Twin Drum, gravity-lowering/electrically/hoisting w/holding static brakes withmechanically operated multiple disks friction pads/ decent brake centrifugal w pads - EB-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single drum Gravity lowering electric/hoisting liferaft / rescue boat / static brakepad, cone, disk, eccentric cam / decentbrake centrifugal pads - WME-SAD 14-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single Drum, hydraulic-lowering/hydraulic/hoisting - WME-LRH35-series
JIANGYIN NEPTUNE MARINE	Single drum Gravity lowering electric hoisting /NPT-DW, NPT-DF, NPT-DS series

## Remarks:

Approved according to MSC.402 (96)/Corr.1 and IACS URZ17, rev. 16.

It is the obligation of the service supplier to assign the tasks to qualified personnel certified for each make and model of equipment for which service is to be provided.

The supplier shall maintain an updated list of the qualified personnel and a record of the history of changes to the list.

Documentation showing that each task/service performed by the firm on behalf of the Society has been done by qualified personnel shall be maintained.

Any changes to the list shall be clarified with DNV prior to effective use of the list and DNV reserves the right to require a new evaluation of the firm based on the changes in the list.

Sufficient tools, and in particular any specialized tools specified in the manufacturer's instructions, including portable tools as needed for work to be carried on board ship;

Sufficient materials, spare parts and accessories as specified by the equipment manufacturer for repairing Lifeboats, Launching Appliances and On-Load Release Gear, as applicable to be ensured for each work.

For Servicing and Repair Work involving disassembly or adjustment of On-Load Release Mechanisms, the equipment manufacturer's specifications, and genuine replacement parts as specified or supplied by the Equipment Manufacturer to be ensured.

Maintenance manuals and associated documentation issued by the manufacturer to be used in all operations involving inspection, maintenance, adjustment and re-setting of the survival craft and associated equipment.

When thorough examination, operational testing, overhaul, and repair are completed, a statement confirming that the lifeboat arrangements remain fit for purpose shall be promptly issued by the service provider, Ref. MSC.402(96)/Annex 1 Parag. 5. A copy of valid documents of certification and authorization shall be included with the statement.

All reports and checklists shall be completed and signed by the person who carries out the inspection and maintenance work and countersigned by the Company's representative or the ship's Master