



APPROVAL OF SERVICE SUPPLIERS

Certificate No:
AOSS0000EDZ
Revision No:
4

This is to certify that

Hanyoung Enterprise Ltd.

Busan, Korea, Republic of

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 **2023-05-22** to (inclusive) **2026-05-21**.

This Certificate is issued on **2023-04-21**.

for **DNV**

Park, Jung Min
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This Certificate may be withdrawn if: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 service supplier is approved for maintenance, through examination, operational testing, overhaul and repair of the following equipment:

Make	Type
Lifeboats & Rescue boats	
JIANGSU JIAOYAN MARINE EQUIPMENT CO.,LTD.	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/JY-FN/FF-9.5, GJ4.2/ GJ4.25/ GJ4.5/ GJ5.0/ GJ5.25/ GJ6.0B-1/ GJ6.10 GJ7.50/ GJ8.0Q-2/ GJ8.5Q-2, JY-QFP/ N-5.0/ JY-QFP/ N-5.25/ JY-QFP/N-5.6 / JY-QFP/ N-6.0A, JY-QFP/ N-6.50/ JY-QFP/ N-7.0/ JY-QFP/ N-7.5/ JY-QFP/ N-7.50A, JY-QFP/ N-8.00/ JY-QFP/ N-8.50/ JY-QFP/ N-8.50X, JY-QFP/ N-9.35/ JY-QFP/ N-10.90A
JIANGYIN WOLONG F.R.P BOAT CO.,LTD.	JY50C/F, JY50CA/FA, JY57C/F, JY60C/E/F, JY65C/F, JY70C/F, JY80C/F, JY80CA/FA JY85C/F, JY85CA/FA, JY85CB/FB, JY93C/F, JY102/F, JY117C/F, JY49CF/FF, JY59CF/FF, JY67CF/FF, JY85CF/FF, JY109CF/FF, JY40KR, JY42KR, JY45DR, JY45KR, JY50R, JY54KR, JY60KR, JY65KR, JY75KR, JY85KR, JY70P, JY80P, JY85P, JY45KR, JY55K, JY65K, JY70K, JY75K, JY80K, JY85K
Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd.	BH-5, 5A, 5S, 5SA, E500, E585, 6, 6A, 6S, E670, 7A, 7B, 8, BH-F6.0, F7.0A, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900A, BH-R4, R4S, R4SA, R5S
Wuxi Hai Hong Boat Making Co., Ltd.	HH70C/ HH70T(QFP7.0/QFN7.0), HH85CS/ HH85TS(QFP8.5/QFN8.5), HH65CS/ HH65TS(QFP6.5/QFN6.5), HH75CS/ HH75TS(QFP7.5/QFN7.5), HH80CS/ HH80TS(QFP8.0/QFN8.0), HH65C/ HH65T(QFP(H)6.5/QFN(H)6.5), HH50C/ HH50T, HH53C/HH53T(QFP(H)5.3), HH75C(QFP(H)7.5), HH85C/HH85T, HH57C/ HH57T HH59FC/ HH59FF, HH76FC/ HH76FF, GJ4.5B/ GJ4.5B1, GJ618A/ GJ618B
DSB ENGINEERING CO., LTD	DSB50F/C, DSB58F/C, DSB60F/C, DSB75F/C, DSB85F/C, DSB95F/C, DSB150F/C, DSB49FF/FC, DSB59FF/FC, DSB75FF/FC, DSB40R, DSB60RA/RB
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co.,LTD	YH5.0QFP/ YH5.0QFN/ YH6.5QFP/ YH6.5QFN/ YH8.5QFP/ YH8.5QFN/ YH8.5QFP-A/ YH8.5QFN-A/ YH10.3QFP/ YH10.3QFN/ YH9.5QFP/ YH9.5QFN/ YH12.0QFP/ YH12.0QFN/ YH9.9BFP/ YH12.5BFP/ ZZHG-BF-12.5, YH5.9FP/ YH5.9FN/ YH6.7FP/ YH6.7FN/ YH7.5FP/ YH7.5FN/ YH8.5FP/ YH8.5FN, YH6.0FRA/ YH6.0FRB/ YH6.5FRA/ YH6.5FRB, YH4.5R/ YH4.5DR/ YH7.5
Launching Appliances	
JIANGSU JIAOYAN MARINE EQUIPMENT CO.,LTD.	JYL52/ JYL55/ JYL65/ JYL68/ JYL85/ JYL105/ JYL135, JYF55/ JYF75/ JYF75-A / JYF75-B/ JYF90, JYP65/ JYP85/ JYP105/ JYP135, JYR21/ JYR21S-A/ JYRC21/ JYR14/ JYRH14/ JYRH21/JYR26/JYR30/JYR23
JIANGYIN WOLONG F.R.P BOAT CO.,LTD.	JY-LE14, JY-LE65, JY-LE85, JY-LE100, JY-LE150, JY-FH55, JY-FH70, JY-FH90, JY-FH155, JY-PL70, JY-PL110, JY-PL150, JY-PL185, JY-PL215, JY-SAF21, JY-SAF23, JY-SA23S, JY-SA37S, JY-SR33S, JY-SAF33, JY-HSR23/16, JY-HSR33/23, JY-FCR2066, JY-FCR2305, JY-PLR21, JY-LFR27, JY-LRHE30, JY-LRHE70, JY-LFR35, JY-SAP14, JY-SAP30, JY-HE70, JY-HE95, JY-HE120, JY-HE155, JY-TBD 120, JY-TBD 215, JY-TBD35, JY-GYE70, JY-GYE120, JY-GYE185, JY-GL70, JY-GL95, JY-GL120, JY-GL185
Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd	BD-PV50, PV60, PV60S, PV85, PV125 BD-FF55, 55A, 55R, FF80, 80A, 80R, 80B, FF65/66/67, FF85, BD-SA14, 14A, 14B, SA21, 21A, SA23, SA30, 30A, SA33, SH23
DSB ENGINEERING CO., LTD	DSB60DL, DSB85DL, DSB138DL, DSB205DL, DSB150DYL, DSB70DF, DSB85DF, DSB23DR, DSB30ARH, DSB18/27DR
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co.,LTD	LE55-1/ LE65-1/ LE85-1/ LE100-1/ LE138-1/ HE65/ HE85/ HE100/ HE138/H170/ RE50/ RE60/ RE80/ RE100/ SRH65/ SRH85/ SRH100/ SRH120/ SRH150/ SRH170/ SRH200/ SRH230/ GL65/ GL85/ GL110/ GL138/ GL165/ TG65/ TG85/ TG110/ TG150/ TG170/ TG200/ TG230/ HT80/ HT100/ HT150/ HT210/ LC400, FH55/ FH70/ FH75/ FH85/ FH100, SAF14/ SAF21/ SAF21/ SAF25/ SA21/ SA32/ HDCL2-6.5/ HDCL3-6/ HDCL3-10/ LA25/ LA35, PL65/ PL85/ PL100/ PL110/ PL120/ PL138/ PL150/ PL180/ PL200/ PL230, LFR30/

	LFR35/ LFR55/ LFRH30/ LEFR50/ LFRH60/ DH30/ SAWH30/ SAWH45/ SAWH60
ORIENTAL INSPECTION & SERVICE CO., LTD.	HGD SERIES, HGK SERIES, SHS SERIES, RTD SERIES, DHA SERIES, DMA SERIES, FD SERIES, WL SERIES, RD SERIES, RDW SERIES
DONGIL SHIPYARD CO.,LTD.	DM RB6-1000
Winches	
JIANGSU JIAOYAN MARINE EQUIPMENT CO.,LTD.	FW45/ JYW42/ JYW50/ JYW70/ JYW100/ JYWP70/ JYWP100, JYWP135/ JYW35/ JYRZ21
JIANGYIN WOLONG F.R.P BOAT CO.,LTD.	JY-SAP14, JY-D23Z, JY-D23/16Z, JY-SAFC23, JY-D33/23Z, JY-SAF33, JY-LRHE30, JY-PLR21, JY-LFR27, JY-LRHE70, JY-D50S/Z, JY-D70S/Z, JY-D85S/Z, JY-D110S/Z, JY-DW125S, JY-DP110S/Z, JY-DP150/Z, JY-DP185, JY-DP215
Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd	BW-H(L/R)31, 50, 63, 75;L(L/R)75, 125;SC14;21, YSB20-120
ORIENTAL INSPECTION & SERVICE CO., LTD.	BWE SERIES, SWE SERIES, WL SERIES FD SERIES, WL SERIES RD SERIES, RDW SERIES
Release Gears	
JIANGSU JIAOYAN MARINE EQUIPMENT CO.,LTD.	JX and JXN Series
JIANGYIN WOLONG F.R.P BOAT CO.,LTD.	HK40, HK40A, HK50B, HK50A, FHK70, HK70, HK115, LB60MR, LB80MR, LB120MR, FHK80, FHK90, LB35MRS, LB70MRS
Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co.,Ltd.	BG-3, 3R, 3L, BG-7;BH-HOOK3, HOOK5, FS5, FS7 BG-3F, 3.5F, 4F, 4.5F, 4.5FL, 5F, 6F BG-2R, 15KNXS, 21, 23, 25KNXS, 35KNXS
Wuxi Hai Hong Boat Making Co., Ltd.	HH76/ HH43/ HH30/ HH20
WUXI XINGSHENG GEAR CASE FACTORY	15KN, 21KN, 25KN, 35KN
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co.,LTD	HK25/ HK25B/ HK40/ HK40C/ HK65/ SH55/ SH70/ SH85 Handle release hook 15KN, Automatic release hook 21KN/23KN/ 25KN/ 35KN

Remarks:

Approved according to MSC.402(96)/Corr.1 and IACS UR Z17, rev.14.

The Service Supplier is responsible for providing information on which equipment (make and model) each subsidiary (service station) is qualified for conducting service on.