



CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

No. : HDOLS-0043-25

This is to certify that

SM Korea

Address : 59, Saneop-ro 382beon-gil, Nam-gu, Ulsan, Republic of Korea

is approved as a service supplier to provide the following service under Guidance for Approval of Service Suppliers and the relevant requirement of the society rule.

Scope of service

**The servicing Inflatable lifejackets
Maintenance, thorough examination, operational testing, overhaul and repair of
Lifeboats, Rescue boats, Launching appliances, Release gear**

This certificate is valid until **2028.06.08**

Issued at **Busan** on **2025.06.05**

See the appendix for details regarding manufacturer authorizations, etc



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "http://e-cert.krs.co.kr" by using the tracking No.(ME25024536504) and certificate No.(HDOLS004325).



KOREAN REGISTER

General Manager of
Survey Team

TERMS AND CONDITIONS

A. The Responsibility and Duty of the Registered Company

- (1) The operator who carries out the service shall possess the appropriate license issued by the Government or have equivalent qualifications.
- (2) The registered company shall be responsible for ensuring the safety of the operator from any danger which can arise during operation.
- (3) The registered company shall check the equipment to ensure the proper functioning of the equipment before operation.
- (4) The registered company, if necessary, shall have the equipment calibrated by authorized organizations in order to maintain the required accuracy within the period prescribed in the standard, and have the contents recorded and maintained.
- (5) The registered company shall keep a copy of the service report submitted to this Society and applicant for at least 5 years.
- (6) The registered company shall notify this society immediately of any alterations of the condition at the time of the approval, including changes of staff and of any entries on this certificate.

B. Confidentiality

The detail information acquired during the job shall not be disclosed or released to third party without permission of the applicant or this Society.

C. Scope and Limitation

The extent of engagement is limited to the scope stated on this Certificate unless attached otherwise.

D. Renewal of the Approval

Renewal audit should be carried out within 3 months before the expiry date of Certificate. However, the validity of new Certificate will be started from the next day of expiry date of previous Certificate.

E. Cancellation of Approval

The approval may be cancelled in cases:

- (1) Where the service provided is improperly carried out or the results are improperly reported.
- (2) Where the Society's surveyor has found major deviations in the operating system of the firm.
- (3) Where the supplier fails to inform of any alteration to the operation system to this Society.
- (4) Where occasional audit, when deemed necessary by this Society, has not been carried out.
- (5) Where wilful acts or omissions are ascertained.
- (6) Where the approval fees are not paid.



APPENDIX I

No. : HDOLS-0043-25

The service supplier has been certified or licensed to service the particular makes and models of equipment listed in the appendix.

A. Manufacturer(s) of lifeboat, rescue boat, launching appliances, release gear / Type

* The service supplier has been certified or licensed to conduct maintenance, thorough examination, operational testing, overhaul and repair for the particular makes and models of equipment, as follow, in accordance with Res.MSC.402(96)

- JIANGYINSHI BEIHAI LSA CO., LTD. /

BOATS :

SC45KR, SC45K, JYB40R, JYB55KR, JYB45Q, JYB50K, JYB60K, JYB70K, JYB75K, JYB80K, JYB65Q, JYB78Q, JYB60G, JYB65G, JYB65GA, JYB65GW, JYB65W, JYB78W, JYB65FW, JYB65FG, JYB65FGA, JYB75G, JYB78FG, JYB85G, JYB85FG, JYB85B, JYB99B, JYB50F/C, JYB57F/C, JYB65F/C, JYB75F/C, JYB80F/C, JYB85F/C, JYB99F/C, JYB125F/C, JYB52FF/FC, JYB66FF/FC, JYB75FF/FC

HOOKS :

JYBHK-20N, JYBHK-25, JYBHK-30N, JYBHK-40NA, JYBHK-40D, JYBHK-40G, JYBHK-40, JYBHK-40S, JYBHK-56F, JYBHK-56, JYBHK-60N, JYBHK-60D, JYBHK-60, JYBHK-85N, JYBHK-100, JYBHK-150, HK-20N, HK-25, HK-30N, HK-40D, HK-40G, HK-40NA, HK-40, HK-56, HK-60D, HK-60N, HK-60, HK-85N, HK-150

DAVITS :

SAC15, SA21/SAC21, SA21-A, SA25/SAC25, SAC25-A, SA30/SAC30, SA35, FA65, FA75, FA100, LB14-H, LB30-H, LB45-H, LB50-H, LB60-H, LB65-H, LA65, LB90-H, LB120-H, BHGH65, BHGH90, BHGH120, BHGH170, BHGH230, PD50, PD85, PD115, PD145, PD175, FRH27, FRH27A, FRH27B, FRH30, FRH50, FRH50N, EHRD18, EHRD30, SRH27, SRH30, SRH45, BHGP65, BHGP90, BHGP120, RB75-H, RH75-H, HB30, HB90, HB90-H, HB120, HB120H, HDC2-10, HDC3-10, ESAD25, SM21, SMRF21, BGP65, GLR30, GLR35, BHSA45, LBS14

WINCHES :

D21S/Z, D21Z-A, D25S/Z, D30S/Z, D30Z-A, D35S/Z, D50S/Z, DW50S/Z, D63S/Z, D100S/Z, DW100S/Z, DW110S/Z, HW30, HW50, HW80, HW120, JYBW45L/R, JYBW53L/R, FFW25, FFW40, BHEW130

- WUXI XINGSHENG GEAR CASE FACTORY. /

RESCUE BOAT RELEASE HOOK : 15kN

LIFERAFT AUTOMATIC RELEASE HOOK : 21kN

LIFERAFT AUTOMATIC RELEASE HOOK : 23kN

LIFERAFT AUTOMATIC RELEASE HOOK : 25kN

AUTOMATIC RELEASE HOOK FOR DAVIT LAUNCHED LIFERAFT & RESCUE BOAT : 35 kN

- JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD /

FREE FALL LIFE BOAT:

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 /



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APPENDIX I

No. : HDOLS-0043-25

JY-FN-7.5 / JY-FF-7.5 / JY-FN-8.5 / JY-FF-8.5 / JY-FN / FF-9.5
RESCUE BOAT :
GJ4.2 / GJ4.25 / GJ4.5 / GJ5.0 / GJ5.25 / GJ6.0B-1 / GJ6.10 / GJ7.50 / GJ8.0Q-2 / GJ8.5Q-2
TOTALLY ENCLOSED LIFE BOAT :
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
HOOKS :
JX AND JXN SERIES
GRAVITY LUFFING ARM TYPE DAVIT :
JYL52 / JYL55 / JYL65 / JYL68 / JYL 85 / JYL 105 / JYL 135
LAUNCHING APPLIANCE :
JYF55 / JYF75 / JYF75-A / JYF75-B / JYF90
PLATFORM DAVIT :
JYP65 / JYP85 / JYP105 / JYP135
SINGLE ARM DAVIT :
JYR21 / JYR21S-A / JYRC21 / JYR14 / JYRH14 / JYRH21 / JYR26
/ JYR30 / JYR23
ELECTRIC BOAT WINCH :
FW45 / JYW42 / JYW50 / JYW70 / JYW100 / JYWP70 / JYWP100 / JYWP135 / JYW35 / JYRZ21

- Fassmer-Marland Int ' l Ltd. /

DAVIT LAUNCHED TOTALLY ENCLOSED LIFEBOAT:

DRAGON 26C, DRAGON 26T TANKER VERSION, DRAGON 32C, DRAGON 32T TANKER VERSION,
DRAGON 38C, DRAGON 38T TANKER VERSION, GMR 6.5, GMR-T6.5 TANKER VERSION,
GMR 7.4, GMR-T7.4 TANKER VERSION, HH57C (HAI HONG TYPE),
HH57T (HAI HONG TYPE) TANKER VERSION, HH65C (HAI HONG TYPE),
HH65T (HAI HONG TYPE) TANKER VERSION, HH70C (HAI HONG TYPE),
HH70T (HAI HONG TYPE) TANKER VERSION, CLR-C5.9, CLR-T5.9 TANKER VERSION,

FREEFALL LIFEBOAT:

GAR 6.7, GAR-T6.7 TANKER VERSION, GAR 7.4, GAR-T7.4 TANKER VERSION, CFL-C49(E), CFL-T49(E)
) TANKER VERSION, CFL-C66(E), CFL-T66(E) TANKER VERSION, CFL-C72(E), CFL-T72(E) TANKER
VERSION, CFL-C77(E), CFL-T77(E) TANKER VERSION, CFL-C83(E), CFL-T83(E) TANKER VERSION,

RIGID RESCUE BOAT:

RR4.2/RR4.2-M, RRH4.2, RR4.2 ID

FAST RIGID RESCUE BOAT:

FRR6.1 ID, FRR6.2 ID

ONLOAD RELEASE GEARS:

DUPLEX 2.5, DUPLEX 2.5E, DUPLEX 25E2, DUPLEX 5.0, DUPLEX 5.0E, DUPLEX 50E2, HH43(HAI
HONG TYPE)



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PIVOT DAVIT:

FPD-D60, FPD-D68, FPD-DH68, SRH70

FREEFALL DAVIT:

FFH49, FFH49D, FFH66, FFH66D, FFH72, FFH77, FFH83

FREEFALL RAMP:

FLR49, FLR66, FLR72

RESCUE BOAT CRANE:

FSAR 14/3.5HS, FSARR 14/3.5HS, FSAR 4.0/3.5HS, FSAR 21/4.0HS, FSARR 21/4.0HS, FSARR 22/4.0HS, FMAH 22KN, FSAR 25

WINCH FOR PIVOT DAVIT:

DEW 15-24, DEW 15-35, DEW 15-44, D52L/D52R, DW34S/DW34Z, MW50/MW50C FOR DAVIT
FPD-D60

WINCH FOR FREEFALL DAVIT:

FW35

WINCH FOR RESCUE BOAT CRANE:

DEW150, DEW450, RZ25

DAVIT LAUNCHED TOTALLY ENCLOSED LIFEBOAT:

HH57C(HAI HONG TYPE),

HH57T (HAI HONG TYPE) TANKER VERSION, HH65C (HAI HONG TYPE),

HH65T (HAI HONG TYPE) TANKER VISION, HH70C (HAI HONG TYPE),

HH70T (HAI HONG TYPE) TANKER VERSION

ONLOAD REAEASE GEAR:

HH 43 (HAI HONG TYPE)

- ARIM ENG. & MACHINERY CO. /

RESCUE BOAT & LIFERAFT LAUNCHING APPLIANCE:

ARPV/RVD-2109 CSN SERIES, ARPV/RVD-1875 QHS SERIES, ARPV/RVD-2260 JINSE SERIES, ARPV/RLD-2260 SH SERIES, ARPV/RVD-2108 SK-H SERIES, MS06/07 SERIES, LRBD-20 SH SERIES, ARBD-0512 SERIES

LIFE RAFT LAUNCHING APPLIANCE:

ARLD-20P SK-H SERIES, ARPV/LD-2050 SK-H SERIES, ARPV/LRD-2050 SERIES

- QINGDAO BEIHAI BOATBUILDING CO.,LTD /

LIFEBOAT

TOTAL ENCLOSED:

BH-5,5A,5S,5SA,E500,E585,6,6A,6S,E670,7A,7B,8,9,10 SERIES

FREEFALL:

BH-F6.0,F7.0A,F7.8,F8.1,F5.8,F6.8,F660,F670,F750,F900/A

RESCUE : BH-R4,R4S,R4SA,R5S,HR6,HR7

DAVIT



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No. : HDOLS-0043-25

GRAVITY PIVOT:

BD-PV50,PV60,PV60S,PV85,125

FREEFALL LAUNCHING:

BD-FF55,55A,55R,FF80,80A,80R,80B,FF65/66/67/85

SINGLE ARM:

BD-SA14,14A,14B,SA21,21A,SA23,SA30,30A,SA33,SH23

WINCH:

BW-H(L/R)31S,31,50,63,75 ; L(L/R)75,125 ; SC14 ; 21 ; 30 ; YSB SERIES HYDRAULIC WINCH

RELEASE MECHANISM

GRAVITY LIFEBOAT:

BG-3,3L,BG-7 ; BH-HOOK3,HOOK5,FS5,FS7

FREEFALL LIFEBOAT:

BG-3F,3.5F,4F,4.5F,4.5FL,5FL,5F,6F

RESCUE BOAT:

BG-2R,15KNXS,25KNXS,35KNXS

- NINGBO ASIA F.R.P BOAT MANUFACTURING CO.,LTD /

RESCUE BOAT: YZ4.5,YZ4.5S,YZ4.5SA,YZ45R,YZ60RA,YZ60RB

TOTALLY ENCLOSED LIFEBOAT/RESCUE BOAT: YZ50C,YZ50F,YZ65C,YZ65F,YZ65CS,

YZ65FS,YZ75C,YZ75F

FREE FALL LIFEBOAT: YZ49FC,YZ49FF,YZ59FC,YZ59FF,YZ60FC,YZ60FF,YZ675FC,YZ675FF

GRAVITY LUFFING ARM DAVIT: L25,L50,YZL-55,L65,L65S,LE85-1

ELECTRICAL LIFEBOAT/RESCUE BOAT WINCH: DS25,DZ25,DS40,DS/Z40,YZD-42S, YZD-

42Z,DS58,DZ58,D50S,D50Z,D63S,D63Z

SINGLE-ARM RESCUE BOAT/LIFERAFTS BOAT LAUNCHING APPLIANCE & CRANE: ZF21/15

DZ14,ZF21 DZ14 ZF23/15 DZ14,ZF23 DZ14 ZF33 DZ25,B21/14,B21/14-2.5

RESCUE BOAT DAVIT: YZ-A30D

FREE-FALL LIFEBOAT LAUNCHING APPLIANCE: YZF55,YZF70

RELEASE MECHANISM: HK40,HK40B,YZHK40,YZHK40S

- WUXI WENJIAO G.F.R.P FACTORY /

TOTALLY ENCLOSED LIFE/RESCUE BOAT:

WJB50F, WJB50C, WJ57F, WJ57C, WJ58F, WJ58C, WJ75F, WJ75C

FREE FALL LIFEBOAT:

WJ59FF, WJ59FC, WJ67FF, WJ67FC

RESCUE BOAT:

WJ40R, WJ45KR, WJ45D3, WJ45D, WJJZ45, WJ55D, WJ60RA, WJ60RB

LIFE BOAT: OPEN TYPE

WJ45D, BJ55, BJ60, BJ65, BJ70, BJ75, BJ80, BJ85

RELEASE GEAR:



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No. : HDOLS-0043-25

WJHK40/40KN, WJ30HK/30KN, WJHK55/55KN, WJ63HKC/63KN, WJ67HK/70KN, WJ40/40KN

- CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO.,LTD /
DAVIT

GRAVITY DAVIT:

LE45-1/LE55-1/LE65-1/LE85-1/LE100- 1/LE138-1/LE170-1/HE65/HE85/HE100/HE138/H170/RE50/
RE60/RE80/RE100/SRH65/SRH85/SRH100/SRH120/SRH150/SRH170/SRH200/SRH230/G L65/GL85
/GL110/GL138/GL165/TG65/TG85/TG110/TG150/TG17 0/TG200/TG230/HT80/HT100/HT150/HT210/
LC400/RC60-EB

LAUNCHING APPLIANCE DAVIT : FH55/FH70/FH75/FH85/FH100

SINGLE ARM DAVIT AND CRANE:

SAF14/SAF21/SAFC21/SAFC25/SA21/SA32/HDCL2-6.5/HDCL3- 6/HDCL3-10/LA25/LA35/SH-21/DH30
OFF-SHORE DAVIT:

PL65/PL85/PL100/PL110/PL120/PL138/PL150/PL180/PL200/PL23 0

FASTRESCUE BOAT DAVIT:

LFR30/LFR35/LFR55/LFRH30/LEFR50/LFRH60/DH30/SAWH30/SA WH45/SAWH60

BOAT WINCH:

D21KN/D25KN/D32KN/D35KN/D48KN/D63KN/D65KN/D80KN/ D100KN/D120KN/DP65KN/DP85KN/
DP100KN/DP110KN/DP120 KN/DP138KN/DP150/DP180KN

BOAT

TOTALLY ENCLOSED LIFEBOAT:

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/YH1 2.0QFN/YH9.9BFP/YH12.5BFP/
ZZHG-BF-12.5

FREE FALL LIFEBOAT:

YH5.9FP/YH5.9FN/YH6.7FP/YH6.7FN/YH7.5FP/YH7.5FN/YH8.5FP/ YH8.5FN

FAST RESCUE BOAT:

YH6.0FRA/YH6.0FRB/YH6.5FRA/YH6.5FRB

RESCUE BOAT:

YH4.5R/YH4.5DR/YH7.5

HOOK:

HK25/HK25B/HK40/HK40C/HK65/SH55/SH70/SH85

HANDLE RELEASE HOOK,15KN,AUTOMATIC RELEASE HOOK 21KN/23KN/25KN/35KN

- ZHEJIANG NORSIER LIFESAVING EQUIPMENT TECHNOLOGY CO.,LTD. /

LIFEBOATS / RESCUE BOATS: NYF&NYC, NYPE&NYPC, NYZ

DAVITS: NLB, NSA, NHCD, NFH

WINCHES: N

RELEASE MECHANISM: NHK



Endorse



APPENDIX I

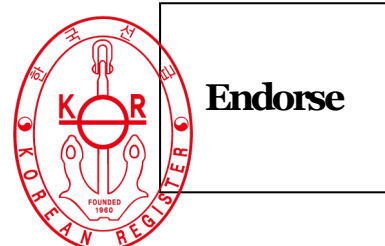
No. : HDOLS-0043-25

- NINGBO NEW MARINE LIFESAVING EQUIPMENT CO., LTD. /
Rescue Boat and Fast Rescue Boat : NM43R, NM45R, NM45RB, NM60R
Totally Enclosed Life/Rescue Boat : NML50C, NM50C/F, NM57C/F, NM58C/F, NM65C/F, NM75C/F,
NM85C/F, NM117C/F
Free Fall Lifeboat : NM52FC/FF, NM59FC/FF, NM67FC/FF, NM50FC/FF, NM58FC/FF, NM75FC/FF
Single Arm Rescue Boat (Rafts) Davit(Crane) : NMSD14KN, NMD14KN, NMSD21KN, NMD21KN,
NMSD23KN, NMD23KN, NMSD25KN, NMSD33KN, NMC25, NMC30 ;
Rescue Boat Launching Appliance : NMAR30, NMAR30(-1), NMAR60, NM30
Gravity Luffing Arm Davit : NMD25KN, NMD40KN, NMD45KN, NMGD50KN, NMD50KN, NMD55KN,
NMD60KN, NMD65KN, NMD85KN, NMD120KN
Launching Appliance Of Free Fall Lifeboat : NMF55KN, NMF70KN
Platform Davit : PD50, PD70, PD85, PD120
Hydraulic Gravity Luffing Davit : HLA85, HLA120, HLA210
Electric Lifeboat/Rescue Boat Winch : NMW25KN, NMW42L/R, NMW50L/R, D63S/Z, D80S/Z, D125S/Z
Hydraulic Telescopic Davit : HTA70, HTA120

- WUXI MINGZI MACHINERY MANUFACTURING CO.,LTD. /
Lifeboat Hook Release Mechanism : HK40, WHK40, WHK65
Release Hook For Rescue Boats : 15KN
Automatic Release Hook For Life Rafts : 21-25KN
Combined Release Hook For Rescue Boats And Life Rafts : 31-37KN

- CRALOG /
"The technicians below have been confirmed to be trained by CRALOG ACADEMY. so, it is possible to perform servicing as CRALOG ' s subcontractors with an employment order issued by CRALOG. but, Owners, managers and service suppliers shall confirm with their flag administrations if any additional or special requirement apply."

(Certified personnel)
Name : KYUNG EUI CHO
ID no. : 520





APPENDIX I

No. : HDOLS-0043-25

Company :
Address :
Tel :
Fax :
E-mail :
Country :
City :
KR-Branch :