



CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

No. : HDOLS-0068-23

This is to certify that

ARC SHIP MANAGEMENT & CHARTERING LLC

Address : AL JADDAF DRYDOCK WORLD, DUBAI, U.A.E

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

Maintenance, thorough examination, operational testing, overhaul and repair of Lifeboats, Rescue boats, Launching appliances, Release gear

This certificate is valid until **2026.07.28**

Issued at **Busan** on **2023.09.25**

See the appendix for details regarding manufacturer authorizations, etc

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-0068-23

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

A. Manufacturer(s) of Lifeboats, Rescue boats, Launching appliances, Release gear / Type
*The service supplier has been certified or licensed to perform maintenance, thorough examination, operational testing, overhaul and repair for the particular makes and models of equipment in accordance with Res.MSC 402(96).

- Vadyar Boats Pvt Ltd. /
(Lifeboats)

VB 9.2 mtr 70 Persons Capacity Totally Enclosed Fire protected Lifeboat.

VB 8.5 mtr 60 Persons Capacity Totally Enclosed Lifeboat.

VB 8.5 mtr 60 Persons Capacity Partially Enclosed Lifeboat.

VB 7.5 mtr 50 Persons Capacity Partially Enclosed Lifeboat.

(Rescue Boat)

VB 4.7 mtr 9 Persons Fast Rescue Boat.

VB 4.5 mtr 6 Persons Rescue Boat.

(Launching Appliances)

VB 10 Ton Davit and Winches.

VB 1 Ton Single Arm Davit and Winches.

(On-Load Release Gears)

VB Lifeboat On-load Release Gear. (Safe Working Load 6 Tons)

VB Rescue Boat On-load Release Mechanism. (Safe Working Load 1.3 Tons)

- BOATBUILDING BRANCH QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO., LTD. /

Lifeboat Total enclosed : BH-5.5A,5S,5SA,E500,E585,6,6A,6S,E670,7A,7B,8.

Lifeboat Freefall : BH-F6.0,F7.0A,F7.8,F8.1,F5.8,F6.8,F660,F670,F750,F900A

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

Davit Gravity Pivot : BD-PV50,PV60,PV60S,PV85,PV125

Davit Freefall launching : BD-FF55,55A,55R,FF80,80A,80R,80B,FF65,FF66,FF67,FF85

Davit Single arm : BD-SA14,14A,14B,SA21,21A,SA23,SA30,30A,SA33,SH23,FA36,RBD966

Winch : BW-H(L/R)31,50,63,75;L(L/R)75,125;SC14;21

Release Mechanism Gravity Lifeboat : BG-3,3L,BG-7;BH-HOOK3,HOOK5,FS5,FS7

Release Mechanism Freefall Lifeboat : BG-3,5F,4F,4.5F,4.5FL,5F,6F

Release Mechanism Rescue boat : BG-2R,15KNXS,25KNXS,35KNXS

- Jiangsu Jiaoyan Marine Equipment Co.,Ltd. (Jiangyin Xinjiang F.R.P Co., Ltd.) /

Free Fall lifeboat :

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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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 lifeboat :
JY-QFP/N-5.0, JY-QFP/N-5.25, GTR57JYC/F, 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
Hook : JX and JXN Series
Gravity luffing arm type davit : JYL52, JYL55, JYL65, JYL85, JYL105, JYL135
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 LTD.(ex.Hai Hong Boat Making Co., Ltd(Guangzhou)) /
Davit launched totally enclosed lifeboat :
DRAGON 26C/26T/32C/32T/38C/38T, GMR 6.5/-T6.5/7.4/-T7.4, HH57C/57T/65C/65T/70C/70T(Hai hong type), CLR-C5.9/T5.9
Freefall lifeboat :
GAR 6.7/-T6.7/7.4/-T7.4, CFL-C49(E)/T49(E)/C66(E)/T66(E)/C72(E)/T72(E)/C77(E)/T77(E)/C83(E)/T83(E)
Rigid rescue boat : RR4.2/4.2-M, RRH4.2, RR4.2 ID
Fast rigid rescue boat : FRR6.1ID/6.2ID
On load release gear : Duplex 2.5/2.5E/25E2/5.0/5.0E/50E2, HH43(Hai hong type)
Pivot davit : FPD-D52/60/ D68/ DH68; SRH70
Freefall davit : FFH49/49D/66/66D/72/77/83
Freefall ramp : FLR49/66/72
Rescue boat crane : FSAR 14/3.5HS/4.0/3.5HS/21/4.0HS/25, FSARR 14/3.5HS/21/4.0HS/22/4.0HS, FMAH 22KN, FSAR25
Winch for pivot davit : DEW 15-24/15-35/15-44, D52L/R, DW34S/Z, MW50/50C for davit FPD-D60
Winch for freefall davit : FW35
Winch for rescue boat crane : DEW 150/450, RZ25

- Wuxi Hai Hong Boat Making Co., Ltd. /
Totally enclosed life / rescue boat series:
HH50C/ HH50T, HH53C/ HH53T(QFP(H)5.3) ,HH57C/ HH57T
HH65C/ HH65T(QFP(H)6.5/QFN(H)6.5), HH65CS/HH65TS(QFP6.5/QFN6.5),HH70C/ HH70T(QFP7.0/QFN7.0)
HH75CS / HH75TS(QFP7.5/QFN7.5),HH75C(QFP(H)7.5), HH80CS / HH80TS(QFP8.0/QFN8.0), HH85C /H85T H85CS/H85TS(QFP8.5/QFN8.5)

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Freefall Lifeboat Series: HH59FC/ HH59FF, HH76FC/ HH76FF
Rescue Boat Series:GJ4.5B/GJ4.5B1
High Speed Rescue Boat:GJ1618A/GJ618B
Release gear: HH76/HH43/HH30/HH20

- ORIENTAL INSPECTION and SERVICE CO., LTD. /
* HINGED GRAVITY TYPE DAVIT and WINCH :
DAVIT : HGD SERIES, HGK SERIES SHS SERIES,
RTD SERIES, DHA SERIES, DMA SERIES
WINCH : BWE SERIES, SWE SERIES, WL SERIES
* FREE FALL DAVIT and WINCH : FD SERIES, WL SERIES
* RESCUE / LIFERAFT DAVIT and WINCH : RD SERIES, RDW SERIES

- Sheyang Saifute Marine Auxiliary Machinery Plant Jiangsu /
Gravity luffing arm davit: 14KN/25KN/50KN/60KN/90KN/100KN/120KN
Gravity sliding track davit: 15KN/40KN
Cross deck gravity sliding track davit: 30KN/110KN
Platform davit: 48KN/110KN
Free fall lifeboat launching appliance: 55KN/70KN
Single arm rescue davit: 10KN/14KN/SFTSA10DS
Single arm rescue boat/raft launching appliances: 21KN/25KN/40KN
Lift-raft launching appliance: 15KN/21KN/25KN/35KN
Single arm rescue boat/raft launching appliance & provisions crane: 21KN
Hydraulic slewing boat-raft davit: SFT-14KN/FCD3T*10M/25KN*10M
Rescue boat davit: SFT-AFR25/AR32
Ele. Rescue boat winch: 14KN/25KN/40KN/D50Z/63KN/E100R/D100Z
Ele. Lifeboat winch: 25KN/40KN/D50S/63KN/E70L/D100S/E100L

- Wuxi Wenjiao Glass Fibre Reinforced Plastic Factory /
Totally Enclosed Lifeboat / Rescue Boat: WJB50F, WJB50C, WJ57F, WJ57C, WJ58F, WJ58C, WJ75F,
WJ75C
Free Fall Lifeboat: WJ59FF, WJ59FC, WJ67FF, WJ67FC
Rescue Boat: WJ40R, WJ45KR, WJ45D3, WJ45D, WJ55D, WJ60RA, WJ60RB, WJJZ45
Lifeboat: WJ45D, BJ55, BJ60, BJ65, BJ70, BJ75, BJ80, BJ85
Release Hook: WJHK40, WJ30HK, WJHK55, WJ63HKC, WJ67HK, WJ40

- NINGBO ASIA F.R.P BOAT MANUFACTURING CO., LTD. /
Rescue boat: YZ4.5,YZ4.5S,YZ4.5SA
Fast Rescue Boat: YZ60RA,YZ60RB
Total Enclosed Life/Rescue Boat: YZ50C,YZ50F,YZ65C,YZ65F,YZ65CS,YZ65FS,YZ75C,YZ75F

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Free Fall Lifeboat: YZ49FC, YZ49FF, YZ59FC, YZ59FF, YZ60FC, YZ60FF, YZ675FC, YZ675FF

Gravity Luffing arm davit: L25, L50, YZL-55, L65, L65S, LE85-1

Electric 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

Free Fall Lifeboat Launching Appliance: YZF55, YZF70

Rescue Boat Launching Appliance : YZ-A30, YZ-A30D

RELEASE MECHANISM : HK40, HK40B, YZHK40, YZHK40S

- 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.”

(Cralog Certified personnel)

Name : Arun Sharma

ID no. : 457

Endorse



APPENDIX I

No. : HDOLS-0068-23

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