

APPROVAL OF SERVICE SUPPLIERS

Certificate No:
AOSS0000DAN
Revision No:
1

This is to certify that

HSS Marine Safety Services Ltd.

Limassol, Cyprus

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 DNVGL-CP-0484.

This service supplier certificate will be accepted for use with all rule sets published by DNV GL.
See the following page(s) for details regarding application.

This Certificate is valid until **2023-07-07**.

Issued at **Limassol** on **2020-07-22**



for **DNV GL**

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

Mitsakos, Michael
Project Manager

This Certificate may be withdrawn if: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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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, thorough examination, operational testing, overhaul and repair of the following equipment as per individual service personnel certificates:

<u>MAKERS</u>	<u>MODELS</u>
Lifeboats	
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,F900
GEPA-FIBERGLASS INDUSTRY &TRADE CO. INC., Turkey	FREEFALL LIFEBOATS G-FFF1 & G-FFF1-FP , G-FFF2 & G-FFF2-FP,G-FFF3 & G-FFF3-FP, TOTALLY ENCLOSED LIFEBOATS:: G-F6K & G-F6K-FP, G-F4K& G-F4K-FP, G-F3K & G-F3K-FP PARTIALLY ENCLOSED LIFEBOATS : G-F6YK, G-F4YK, G-F3YK & G-F3YK-T OPEN TYPE LIFEBOATS: G-F5, G-F2, G-F1, G-F6, G-F4, G-F3 SERVICE & UTILITY BOATS : G-GSB3, G-GSB4, G-GSB2, G-GSB1, G-F4-UB,G-F3-UB, G-F5-UB , G-F2-UB, G-F1-UB, G-F6-UB
HLB Co., Ltd. and BADA Heavy Industries Co., Ltd	Lifeboat (Gravity Enclosed Open type),: HD32T/F, HD44T/F, HD60T// HDL65-85CT/F, HDL85CNT/F, HDL71CTR/CFR, HLB105F, HLB105f, HLB65T/F. Lifeboat Freefall type: HDFL740T/F,HDF25T/F, HD32T/F, HDFN25T/F,HDFN35T/F
HATECKE SERVICE GmbH, Germany	GFF, GSAR, GSL
Jiangsu Jiaoyan Marine Equipment Co., Ltd. China (Jiangyin Xinjiang F.R.P. Co., Ltd.)	Free Fall Lifeboat : Models: 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 Lifeboat Gravity Type: JY-QFP-5.0,JY-QFP-5.25, JY-QFP-6.0A, JY-QFP-6.50, JY-QFP-7.0, JY-QFP-7.5 Lifeboat Gravity Type fire protected, JY-QFN-5.0,JY-QFN-5.25, JY-QFN-6.0A, JY-QFN-6.50, JY-QFN-7.0, JY-QFN-7.5
Rescue Boats	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO., LTD	BH-R4,R4S,R4SA,R5S,HR6,HR7
GEPA-FIBERGLASS INDUSTRY &TRADE CO. INC., Turkey	G-RB1 G-K1, G-RB1-DE, G-RB3 , G-FRB1-O, G-FRB2-O
HLB Co., Ltd.	Rescue Boat: HDR420, HDR475 HDR570


<u>MAKERS</u>	<u>MODELS</u>
and BADA Heavy Industries Co., Ltd	Fast Rescue Boat: HDFR600, HDFR680
HATECKE SERVICE GmbH, Germany	RB
Jiangsu Jiaoyan Marine Equipment Co., Ltd. China (Jiangyin Xinjiang F.R.P. Co., Ltd.)	Rescue Type models: GJ4.2, GJ4.25,GJ4.5.GJ5.0, GJ6.0B-1
Launching Appliances	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO., LTD	BD-PV50,PV60,PV60S,PV85,PV125,AR125,AR160S BD-FF55,55A,55R,FF80,80A,80R,80B,FF66,FF67,FF85 BD-SA14,14A,14B,SA21,21A,SA23,SA30,30A,SA33,SH23
HLB Co., Ltd. and BADA Heavy Industries Co., Ltd	Davit Gravity Type : BDH58S, BDH70S, BDH90S, BDH125- Conventional type, BDTD60 Telescopic Type, BDHP95S- Semi Gravity, BDTW25S, BDRW100S- Roller trackway, BDM70S, BDM130M, BDM170S- , Multi Pivot, BFOD90S-Out rigger-fixed platform Davit Freefall Type : HDFL740, HDF25/HDF32 Davit, BDF25S, BDF35S- Out Rigger- fixed platform Davit Rescue Boat: BHI-RLD25, BHI-RD42M, BDR6P, BDR25S, BDR25U, BDR25F,BDFA35S-Slewing-Single Arm, BDA16S, BDA20S, BDA25S, BDFA35S-A-frame Davit, Lifteraft : BDL25S, BDL35S, BHI-LRD15M, BHI-RLD20M, BLR20S
HATECKE SERVICE GmbH, Germany	FFA, GspFP
Jiangsu Jiaoyan Marine Equipment Co., Ltd. China (Jiangyin Xinjiang F.R.P. Co., Ltd.)	Davit Gravity luffing arm type, : JYL52/JYL55/JYL65/JYL85 Launching Appliance : JYF55/JYF75/JYF90 Single Arm davit: JYR21/JYRC21/JYR14/JYRH14/JYRH21 Winch type: JYW42/JYW50/JYW70/JYW100
CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO. LTD., China	Gravity Davit : LE55/LE65/LE85/LE100/LE138/LE170/HE65/HE85/HE100. Launching appliance davit::FH55/FH60/FH75/FH85/ FH100 Single arm davit crane : SAF14/SAFC21/SAFC25/SA32/HDCL2-6.5/HDCL3-10 Off-Shore davit: PL65/PL85/PL100/PL110/PL138 Fast rescue boat davit: LFR30/LFR35/LFRH30
SANGSANGIN INDUSTRY CO. LTD. (EX DONGNAM	DH SERIES, DLRD, DSAD, PV Combined

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MARINE INDUSTRY CO LTD.), China	
ORIENTAL INSPECTION & SERVICE CO. LTD. Korea	Davit Types: HGD SERIES, HGK SERIES, SHS SERIES, RTD SERIES, DHA SERIES, DMA SERIES Winch: BWE SERIES, SWE SERIES, WL SERIES Free Fall Davit & Winch: FD SERIES, WL SERIES. Rescue/Liferaft Davit & Winch: RD SERIES, RDW SERIES
GLOBAL DAVIT GmbH Survival and Deck Equipment, Germany	- Launching and recovery appliances for single point suspended life-saving crafts, - Launching and recovery appliances for double point suspended life-saving crafts, - Winches for launching and recovery of life saving appliances. As per coding system on Maker's Certificate No. 349517-1.
DONG WOO MACHINERY & ENGINEERING CO. LTD., Korea	DWS Series, LRDS Series, RDBS Series, Hinged Gravity Boat davit and freefall davit Rescue davit and liferaft davit
Release Gears	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO., LTD	BG3,3L,BG-7,BH-HOOK3,HOOK5,FS5,FS7 BG-3.5F,4F,4.5F,4.5FL,5F,6F BG-2R,15,25KNXS,35KNXS
GEPA-FIBERGLASS INDUSTRY & TRADE CO. INC., Turkey	GK1, G-K2
HLB Co., Ltd. and BADA Heavy Industries Co., Ltd	Release Mechanism for Gravity Lifeboat: Talon II4.0/6.0T, Talon 9.0T Release Mechanism for Freefall Lifeboat, Talon 4.6 T Release Mechanism for Rescue Boat and Liferaft BHR25S, BHA25S, Release Mechanism for fast Rescue Boat: BHR35F, BHR60F BHR80F
HATECKE SERVICE GmbH, Germany	Duplex, GFF-R, Simplex
GLOBAL DAVIT GmbH Survival and Deck Equipment, German	HRN.12, HRN.28, HRL.26

Remarks:

- The approved service supplier shall maintain an updated list of authorized inspectors / supervisors and to be communicated to DNV GL upon any change.



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- Accepted according to: IMO Res MSC.402(96) & IACS UR Z17 Rev. 14, 2019