



APPROVAL OF SERVICE SUPPLIERS

Certificate No:
AOSS0000D9R
Revision No:
3

This is to certify that

Astro Fire & Safety Pte Ltd
SINGAPORE, Singapore

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.
See the following page(s) for details regarding application.

This Certificate is valid from **2021-02-11** to (inclusive) **2024-02-10**.

This Certificate is issued on **2021-04-05**.



for **DNV**

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

Ng, Ken Tong Ken
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This Certificate may be withdrawn if: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, operation testing, overhaul and repair of the following equipment:

Lifeboats (incl.freefall lifeboats)

Make	Model/Series
Zhejiang Hengxin Ship Equipments Co.,Ltd	BCFC/FF, BCF/C
VANGUARDE	VG, VG-FF/FC, HLB, HLBLR
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-QFP/N-5.0, JY-QFP/N-5.25, JY-QFP/GTR57JYC/F, JY-QFP/N-6.0A, JY-QFP/N-6.50, JY-QFP/N-7.0, JY-QFP/N7.5, 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

Rescue boat (incl.fast rescue boats)

Make	Model/Series
Zhejiang Hengxin Ship Equipments Co.,Ltd	GJ, FRH, RH
VANGUARDE	KR, DB, DRS, DR4
Jiangsu Jiaoyan Marine Equipment Co.,Ltd	GJ4.2, GJ4.25, GJ4.5, GJ5.0, GJ5.25, GJ6.0B-1, GJ6.10, GJ7.50, GJ8.0Q-2, GJ8.5Q-2

Release gear (for lifeboats (incl.freefall), rescue boats, fast rescue boats and davit launched liferafts)

Make	Model/Series
Zhejiang Hengxin Ship Equipments Co.,Ltd	HK
VANGUARDE	C-SAFE, SPEARHEAD
Jiangsu Jiaoyan Marine Equipment Co.,Ltd	JX, JXN SERIES

Launching appliances (for lifeboats (incl.freefall), rescue boats, fast rescue boats and davit launched liferafts).

Make	Model/Series
Zhejiang Hengxin Ship Equipments Co.,Ltd	FH, SA, HDC, LFR, LR, HE, PD, SRH, LB, KN
VANGUARDE	LVD, PL/A, PLR, SRH/LR, VAE, VL, VL-G, VS, DW/D, DW/S, SLR, DWP, HW, PRH, VW/S, VW/Z
Jiangsu Jiaoyan Marine Equipment Co.,Ltd	JYF55, JYF75, JYF75-B, JYF90, JYP65, JYP85, JYP105, JYP135, JYR21, JYR21S-A, JYRC21, JYR23, JYR14, JYRH21, JYL52, JYL55, JYL68, JYL85, JYL105, JYL135, FW45, JYW42, JYW50, JYW70, JYW100, JYWP70, JYWP100, JYWP135, JYW35, JYR221

Remarks:

Approved according to MSC.402(96)/C0rr.1 and IACS UR Z17, rev.14.