

CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

CERTIFICATE NO. SSU053123X1

This is to certify that

ASTRO FIRE & SAFETY PTE LTD

16T ENTERPRISE ROAD
627667 Singapore SINGAPORE

*Has been approved in compliance with the
RINA "RULES FOR THE CERTIFICATION OF SERVICE SUPPLIERS"
for the supply of the following services to ships and other units classed by RINA:*

- N - Maintenance, thorough examination, operational testing,
overhaul and repair of lifeboats and rescue boats, launching
appliances and release gear**
- D - Inspection and maintenance of fire extinguishing equipment
and systems**
- H - Inspection and maintenance of self-contained breathing
apparatus**

Date of the audit: **19 May 2023**
Issued in **SINGAPORE**
on **25 May 2023**

This Certificate is valid from the date of the audit until
28 May 2026

This certificate consists of this sheet plus an attachment.



This is an electronically signed document and does not require a handwritten signature.

Neng Wu HU
RINA Services S.p.A.



RINA Services S.p.A.
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ATTACHMENT TO CERTIFICATE NO. SSU053123X1

VALIDITY CONDITIONS

This service supplier is certified according to the 'RINA Rules for the Certification of Service Suppliers' to carry out maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear in accordance with SOLAS Regulation III/20 for the list of makes and models/series of equipment in the attached Annex N.

Note 1: For the purpose of application of IMO Resolution MSC.402(96), including Corr.1, the service supplier is to be authorized by the Flag Administration under which the ship is registered.

For Flag Administrations which have authorized RINA as their Recognized Organization and accept RINA 'Certificate of Approval of Service Supplier' as equivalent to their authorization document to the Service Provider, according to the IMO Resolution MSC.402(96), including Corr.1, this Certificate may be accepted also for statutory purpose, in lieu of the Flag's authorization document to the Service Provider, allowing the firm to provide their services on the makes and models/series of equipment listed in the Annex N to this Certificate.

Note 2: This certificate of approval is also issued on behalf of Italian Administration according to the Italian 'Executive Decree n. 321' dated 21st April 2020 and Circular NDS n. 22/2021.

Therefore, this Service Provider is authorized to provide their services on board ships flying Italian flag for the makes and types of equipment defined according to ISO/PAS 23678, listed in the table of Annex N to this Certificate, without prejudice to the particular requirements in the aforementioned Italian official documents.

General conditions for the approval

- a) *The initial conditions verified by RINA at the time of the approval are to be maintained*
- b) *Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessments*
- c) *RINA personnel are to be allowed to witness during the performance of activities, upon their request*
- d) *The activities are to be carried out in compliance with the RINA Rules and or other applicable rules*
- e) *RINA may revoke the approval at any moment in the case of modifications to requirements or conditions for the approval*



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Neng Wu HU

RINA Services S.p.A.

Annex – N to Certificate No.-SSU053123X1

Lifeboats (include free fall lifeboats):

MAKE	MODEL/SERIES
Jiangsu Jiaoyan Marine Equipment 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 / JY-FN-7.5 / JY-FF-7.5 / JY-FN-8.5 / JY-FF-8.5 / JY-FN-9.5 / JY-FF-9.5 Totally Enclosed Lifeboat: -JY-QFP/N-5.0 / JY-QFP/N-5.25 / JYQFP/ N-5.6 / JY-QFP/N-6.0A / JY-QFP/N-6.50 / JY-QFP/N-7.0 / JYQFP/ N-7.5 / JY-QFP/N-7.5A / 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
Vanguard Pte Ltd	Lifeboat: -VG / VG-FF/FC / HLB / HLBLR / FRK / FRW
Zhejiang Hengxin Ship Equipments Co., Ltd.	Lifeboat Series: -BCC, BCF, BCFC, BCFF

Rescue boats (including fast rescue boats):

MAKE	MODEL/SERIES
Jiangsu Jiaoyan Marine Equipment Co. Ltd.	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
Vanguard Pte Ltd	Rescue Boat: - KR / DB / DRS / DR4
Zhejiang Hengxin Ship Equipments Co., Ltd.	Rescue Boat Series: - GJ, FRH, RH

Release gears [for life boats (including free fall), rescue boats, fast rescue boats]

MAKE	MODEL/SERIES
Jiangsu Jiaoyan Marine Equipment Co. Ltd.	Hook: -JX and JXN Series
Vanguard Pte Ltd	Hook (LRRS): -C-SAFE / SPEARHEAD
Zhejiang Hengxin Ship Equipments Co., Ltd.	Release Mechanism Series: - HK

Launching appliances [for life boats (including free fall), rescueboats, fast rescue boats]

MAKE	MODEL / SERIES
Jiangsu Jiaoyan Marine Equipment Co. Ltd.	Gravity Luffing Arm Type Davit: -JYL52 / JYL55 / JYL65 / JYL68 / 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 Electric Boat Winch: - FW45 / JYW42 / JYW50 / JYW70 / JYW100 / JYWP70 / JYWP100 / JYWP135 / JYW35 / JYRZ21
Vanguard Pte Ltd	Davit: -LVD / PL / A / PLR / SRH / LR / VAE / VL / VL-G / VS Winch: - DW/D / DW/S / SLR / DWP / HW / PRH / VW/S / VW/Z
Zhejiang Hengxin Ship Equipment's Co., Ltd.	Davit Series: -FH, SA, HDC, LFR, LR, HE, PD, SRH, LB, KN Winch Series: - DZB, D, DW