



**EC TYPE EXAMINATION (MODULE B)  
CERTIFICATE No. MED037121WS/020**

*This is to certify that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Navigation Equipment requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2020/1170.*

**MED Item N°**

**Description**

**Type**

**Applicant**

**MED/4.49**

**Pilot ladder**

**FZST/P**

**SHANGHAI FANGZHAN FIRE TECHNOLOGY CO.,  
LTD.**

**BUILDING.41,NO.1-42, LANE 83  
NORTH HONGXIANG ROAD, WANXIANG TOWN  
PUDONG NEW AREA, SHANGHAI, CHINA**

**Testing standards**

**Reference standards**

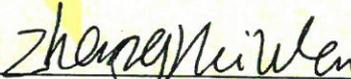
**IMO Res.A.1045(27), as amended; ISO 799-1:2019.**

**SOLAS 74 Reg. V/23, IMO Res. A.1045(27), IMO MSC/Circ.1428.**

*Issued in SHANGHAI on  
February 3, 2021*

*This Certificate is valid until  
February 2, 2026*

*This Certificate consists of this sheet plus an attachment*

  
**Hai Wen Zhang**  
*RINA Services S.p.A.*





*Manufacturer*

SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.

*Place of Manufacturer*

BUILDING.41,NO.1-42, LANE 83  
NORTH HONGXIANG ROAD, WANXIANG TOWN  
PUDONG NEW AREA, SHANGHAI, CHINA

*Name & place of Authorised Representative*

ANTONIO TRANI  
VIA DOMENICO CIMAROSA NO.37, NAPOLI, ITALY  
ITALY

**PRODUCT DESCRIPTION**

- The pilot ladder is assembled with two side ropes on each side continuous from the top of the ladder to the bottom.
- Each step is supported by each side ropes.
- Steps:
  - The four lowest steps are rubber steps.
  - The remaining steps are made of hard wood.
  - The size of steps except spreader is 525x115x28 mm for hard wood steps and 525x115x25 mm for rubber steps (LxBxH, excluding any non-slip device), with 400 mm between the side ropes.
  - The size of spreader steps is 1800x115x30 mm (LxBxH, excluding any non-slip device).
- Each side rope has a breaking strength of at least 24 kN.
- Each securing rope has a breaking strength of at least 48 kN.

**REFERENCE DOCUMENTS**

Appr. Dwg.	Title
.SHST-39936	FZST/P PILOT LADDER DRAWING

**TESTS CARRIED OUT**

- Pilot ladder has been tested on 14/January/2021.

**REMARKS**

- Each ladder is to be marked in compliance with ISO 799-1:2019, [8].
- Each replacement step is to be marked in compliance with ISO 799-1:2019, [8].



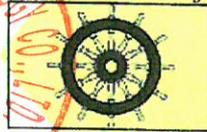
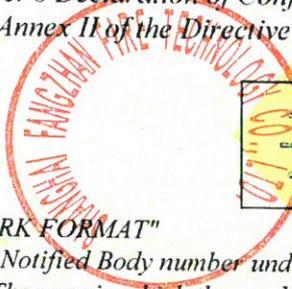
*Handwritten signature*





ATTACHMENT TO  
CERTIFICATE No. MED037121WS/020  
Page 2 of 2

*The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body*



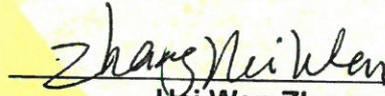
XXXX/YYYY

"WHEELMARK FORMAT"

XXXX Notified Body number undertaking surveillance module  
YYYY The year in which the mark is affixed

**General conditions for the approval**

- The initial conditions verified by RINA at the time of the approval are to be maintained
- Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- RINA personnel are to be allowed to witness during the performances of activities, upon their request
- The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.

  
Hai Wen Zhang





**PRODUCTION QUALITY ASSURANCE (MODULE D)  
CERTIFICATE No. MED004221WS/008**

*This is to certify that RINA Services S.p.A. did undertake the relevant quality assessment procedures for the equipment of the manufacturer identified below, which was found to be in compliance with the Navigation Equipment requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of (EU) 2020/1170 and according to the type described in the EC Type Examination Certificate (Module B) below indicated.*

MED Item N°  
Description  
Type  
Applicant

**MED/4.49**

**Pilot ladder**

**FZST/P**

**SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.**

BUILDING.41  
NO.1-42  
LANE 83  
NORTH HONGXIANG ROAD  
WANXIANG TOWN  
PUDONG NEW AREA  
SHANGHAI  
CHINA

Module B certificate

Number

**MED037121WS/020**

Date

**02/03/2021**

Notified Body

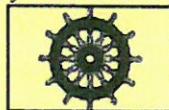
**RINA (No. 0474)**

Issued in **SHANGHAI** on  
February 25, 2021

This Certificate is valid until  
September 24, 2023

*This Certificate consists of this sheet plus an attachment*

*This certificate authorises the Manufacturer or his authorised representative established within the Community in conjunction with the EC TYPE EXAMINATION (MODULE B) CERTIFICATE to affix the following symbol on the equipment above identified.*



**0474/YYYY**

YYYY The year in which the mark is affixed





**ATTACHMENT TO  
CERTIFICATE No. MED004221WS/008**

*Equipment:*  
**FZST/P**

*Manufacturer:*  
**SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.**

*Place of Manufacturer*  
BUILDING.41  
NO.1-42  
LANE 83  
NORTH HONGXIANG ROAD  
WANXIANG TOWN  
PUDONG NEW AREA  
SHANGHAI  
CHINA



*Name & place of Authorised Representative*  
ANTONIO TRANI  
VIA DOMENICO CIMAROSA NO.37,NAPOLI  
ITALY

*Technical documentation*

<b>INTERMEDIATE SCHEDULED AND UNSCHEDULED AUDITS</b>			
<b>Due Date</b>	<b>Carried out on</b>	<b>Surveyor's signature</b>	<b>Surveyor's stamp</b>
09/24/2021	23/09/2021		RINA Services S.p.A.
03/24/2022	24/02/2022		RINA Services S.p.A.
09/24/2022	09/10/2022		RINA Services S.p.A.
03/24/2023	17/03/2023		RINA Services S.p.A.
09/24/2023			RINA Services S.p.A.
<i>Unscheduled</i>			
<i>Unscheduled</i>			

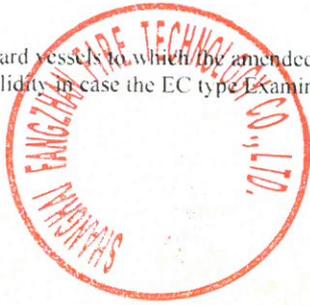
**General conditions for the approval**

- 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 assessment
- c) RINA personnel are to be allowed to witness during the performances 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 in the case of modifications to requirements or conditions for the approval
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved

RINA Services S.p.A.  
Via Corsica, 12 - 16128 Genova  
Tel +39 010 53851  
Fax +39 010 5351000



prior to it being placed on board vessels to which the amended regulations or standards apply.  
g) This certificate loses its validity in case the EC type Examination (Module B) certificate is no more valid.



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