

## EC TYPE-EXAMINATION (MODULE B) CERTIFICATE

**IG-215-2012**

This is to certify that:

Istituto Giordano S.p.A. did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

<b>Applicant</b>	
<b>Authorised representative</b>	
<b>Directive reference</b>	2014/90/EU - Reg. (EU) 2023/1667
<b>Regulation item</b>	MED/4.49 - Pilot ladder
<b>Product type</b> (Trade Name)	D-SAFE Pilot Ladder
<b>Product description</b> (short description, for the complete description see the annex)	Pilot Ladder
<b>Specified standard</b>	IMO Res. A.1045(27), as amended, ISO 799-1:2019
<b>Regulation SOLAS 74 as amended</b>	SOLAS 74 Reg. V/23, SOLAS 74 Reg. X/3
<b>USCG Approval Category No.</b>	//

The attached (schedule of approval) forms part of this certificate

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to and agreed with Istituto Giordano S.p.A.

Bellaria-Igea Marina - Italy, 10 October 2023

Revision No. 9

Date of first issue: 5 November 2012

Valid until: 9 August 2027

MED Department Technical Manager  
(Dot. Ing. Giuseppe Persano Adorno)

Chief Executive Officer

This certificate is made up of 1 page and 1 annex and remains valid until expiry unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

This certificate and the documents should be stored for ten years after the last product has been manufactured.

The validity of this certificate is subject to compliance with Istituto Giordano "REG-MED" rules, the Istituto Giordano general conditions of contract for certification and the relevant requirements of Marine Equipment Directive.

The original of this document consists of an electronic document digitally signed pursuant to the applicable Italian Legislation.

Page 1 of 1

### SCHEDULE OF APPROVAL

On this document the following are listed:

<b>Product description</b> (complete description)	Pilot ladder made in: – ropes: manila or synthetic; – steps: hardwood or aluminium; – last four lower steps: rubber with iron core; – thimbles: hardwood or plastic (moplen 300K); – seizing: made of aluminium clips or manila (for synthetic ropes only aluminium clips is allowed). Length up to ISO 799-1 - S105 - L35
--	--

<b>Application/Limitations</b>	//
--------------------------------	----

<b>Places of production</b> (if different from applicant or where there are several)	

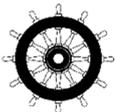
<b>Technical file No.</b>	DEL-DSAPL-4.49 rev. 1 dated 3 October 2023
---------------------------	--

Approval documentation			
Ref. Cert. Rev. (*)	Test standard	Test report	Dated
0	ISO 799:2004 all clauses	Istituto Giordano S.p.A. No. 297317	10 August 2012
1	ISO 799:2004 clause 3.5 (ISO 877 Method A)	AZTEST LLC (Arizona Desert Testing) No. 623-388-9500	19 August 2013
		T.S.E. (Turkish standards institute) No. 199460	6 November 2013
		T.S.E. (Turkish standards institute) No. 199456	6 November 2013
5	ISO 799:2004 clause 5 only: Ladder and step attachment strength - Unrolling	Istituto Giordano S.p.A. - Inspection Report	8 November 2017
6	ISO 799-1:2019 clause 6.1 only: Ladder and step attachment strength	Istituto Giordano S.p.A. - Inspection Report	25 September 2019
7	ISO 799-1:2019 clause 6.1 only: Ladder and step attachment strength	Istituto Giordano S.p.A. - Inspection Report	20 November 2019

Approval documentation			
Ref. Cert. Rev. (*)	Test standard	Test report	Dated
	ISO 799-1:2019 clause 6.1 only: step flexibility (short step)	T.S.E. (Turkish standards institute) No. 511721	22 January 2020
	ISO 799-1:2019 clause 6.1 only: step flexibility (long step)	T.S.E. (Turkish standards institute) No. 511722	22 January 2020
	ISO 799-1:2019 clause 6.1 only: step friction - step surface durability	Istituto Giordano S.p.A.	28 January 2020
8	ISO 799-1:2019 clause 6.1 only: Ladder and step attachment strength - Unrolling	Istituto Giordano S.p.A. - Inspection Test Report	2 August 2022
9	ISO 799-1:2019 clause 6.1 only: Ladder and step attachment strength - Unrolling	Istituto Giordano S.p.A. - Inspection Test Report	3 October 2023

Notes	//
-------	----

Certificate revision legend		
Rev. (*)	Date	Scope
0	5 November 2012	First issue
1	6 November 2013	Add plastic thimbles
2	20 January 2015	Add in the specified standard the new IMO Res. A.1045(27), as amended.
3	17 February 2015	Change product description (added in the length description the words "up to")
4	10 August 2017	Renewal and change Company address
5	19 July 2018	Extension length
6	21 October 2019	Extension due new standard ISO 799-1:2019
7	13 July 2020	Add aluminium steps
8	10 August 2022	Renewal
9	10 October 2023	Add authorised representative. Extension of Ladders configuration: - Seizing for manila side ropes (Alternative to Aluminium Clips) - Side ropes of synthetic material



The mark of conformity ("wheelmark") 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 B of the Directive is fully complied with and controlled by a written inspection agreement with a Notified Body.