# INTERNATIONAL STANDARD

ISO 799-1

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# Ships and marine technology — Pilot ladders —

Part 1: **Design and specification** 

Navires et technologie maritime — Échelles de pilote — Partie 1: Conception et spécification



ISO 799-1:2019(E)



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COI	iteni	Page <b>iv</b>			
Fore	word				
Intro	v				
1	Scop	oe	1		
2	Nori	1			
3	Tern	1			
4	Materials				
-	4.1 4.2	Wooden parts Side ropes 4.2.1 General arrangement 4.2.2 Alternative side rope arrangement			
	4.3 4.4 4.5 4.6 4.7	Metallic materials Step fixtures Plastic materials Quality of materials Rope seizing			
5	Cons	struction	3		
6	<b>Test</b> 6.1 6.2	ing and inspection Prototype test for approval Product inspection	9		
7	Desi	gnation	11		
8	Mar	12			
9	Proc	12			
10	Maintenance				
Anno		ormative) <b>Production tests and inspections</b>			

#### **Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see <a href="www.iso.org/directives">www.iso.org/directives</a>).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>.

This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 1, *Lifesaving and fire protection*.

This first edition of ISO 799-1 cancels and replaces ISO 799:2004, which has been technically revised. This first edition takes into account new designs and manufacturing methods for pilot ladders, which have entered the market since 2004.

A list of all parts in the ISO 799 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at <a href="https://www.iso.org/members.html">www.iso.org/members.html</a>.

#### Introduction

This document is intended to supplement existing IMO requirements for pilot ladders. Since IMO instruments do not include specific requirements for prototype testing of pilot ladders for approval, the tests included in this document are in excess of the existing IMO requirements. The reservation and inclusion of these tests was considered necessary in order to provide a means of ensuring conformance of pilot ladders with the performance requirements prescribed in IMO instruments and in this document.

This document can be used for independent acceptance of a pilot ladder complying with SOLAS, in which case certification must be issued from a signatory state of SOLAS.

NOTE ISO 799 is incorporated by reference and footnoted in the International Convention on Safety of Life at Sea (SOLAS) Chapter V Regulation 23.2.3.

## Ships and marine technology — Pilot ladders —

#### Part 1:

## **Design and specification**

#### 1 Scope

This document specifies requirements for pilot ladders of a ship, which are provided to enable a maritime pilot to embark and disembark from a ship safely against a vertical portion of the ship's hull. It is applicable to merchant ships which embark and disembark maritime pilots with the ship underway.

#### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 209:2007, Aluminium and aluminium alloys — Chemical composition

ISO 877-2:2009, Plastics — Methods of exposure to solar radiation — Part 2: Direct weathering and exposure behind window glass

ISO 1181:2004, Fibre ropes — Manila and sisal — 3-, 4- and 8-strand ropes

ISO 1461, Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods

ISO 15510:2014, Stainless steels — Chemical composition

#### 3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <a href="https://www.iso.org/obp">https://www.iso.org/obp</a>
- IEC Electropedia: available at <a href="http://www.electropedia.org/">http://www.electropedia.org/</a>

#### 4 Materials

#### 4.1 Wooden parts

Each wooden part shall be made of hardwood (ash, oak, beech, teak, and other hardwood having equivalent properties) free from knots. Wood shall not be treated or coated with paint, varnish or other coatings, which either change the friction coefficient or hide the natural grain.

#### 4.2 Side ropes

#### 4.2.1 General arrangement

Each side rope shall be mildew-resistant manila rope meeting ISO 1181:2004, Quality 1, or a spun thermoset polyester rope with a polypropylene core of a colour that contrasts with the spun polyester.