INTERNATIONAL STANDARD

ISO 15516

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Ships and marine technology — Launching appliances for davit-launched lifeboats

Navires et technologie maritime — Engins de mise à l'eau des embarcations de sauvetage sous bossoirs

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 15516 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 4, *Outfitting and deck machinery*.

This first edition cancels and replaces ISO 6067:1985, which has been technically revised.

Introduction

This International Standard which forms a code of practical interpretation and amplification of the requirements of the CONVENTION FOR THE SAFETY OF LIFE AT SEA (SOLAS), deals with both winches and davits for lifeboats to provide an identical basis for design, manufacture and acceptance of Launching appliances for davit-launched lifeboats for use by ship-owners, shipbuilders and appropriate organizations.

This International Standard incorporates and revises the requirements of ISO 6067 and, as such, replaces ISO 6067 in its entirety. Launching appliances for free-fall lifeboats are not covered by this standard because of their different methods of launching, recovery and stowage. Considering the convenience in practice, this standard specifies some values, such as the minimum speed of recovering light-loaded lifeboats by power (when necessary) and the recovery speed of unpowered winch, which are not required by SOLAS but have been given in ISO 6067. This International Standard is also applicable to launching appliances for fast rescue boats on ro-ro passenger ships.

This International Standard is mainly based on AMENDMENTS from 1983 to 1996 to SOLAS 1974 and IMO RESOLUTIONS and protocols concerned, especially MSC.47(66) AMENDMENTS TO THE INTERNATIONAL CONVENTION FOR THE SAFETY OF LIFE AT SEA 1974, MSC.48(66) INTERNATIONAL LIFE-SAVING APPLIANCE CODE and MSC.81(70) LIFE-SAVING APPLIANCE TEST.

Ships and marine technology — Launching appliances for davit-launched lifeboats

1 Scope

This International Standard specifies the requirements of performances, design, construction, safety, maintenance and test of launching appliances for davit-launched lifeboats.

This International Standard is applicable to launching appliances for davit-launched lifeboats as well as launching appliances for davit-launched rescue boats on every kind of sea-going ship, including launching appliances for fast rescue boats on ro-ro passenger ships, but is not applicable to launching appliances for free-fall lifeboats. This International Standard is also a reference for similar appliances on inland ships.

NOTE Every provision in this standard, unless expressly stated otherwise, is also applicable to launching appliances for davit-launched rescue boats.

2 Normative references

The following referenced documents are indispensable for the application 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 2944, *Fluid power systems and components — Nominal pressure*

ISO 3828, *Shipbuilding and marine structures — Deck machinery — Vocabulary*

ISO 4413, *Hydraulic fluid power — General rules relating to systems*

ISO 4414, *Pneumatic fluid power — General rules relating to systems*

IEC 60092 (all parts), *Electrical installations in ships*

IEC 60529, *Degrees of protection provided by enclosures (IP Code)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 3828 and the following apply.

3.1
non-loaded boat
lifeboat or rescue boat fully equipped without persons

NOTE Hereinafter, both lifeboat and rescue boat are referred to as boat.