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Ships and marine technology — Shipboard plans for fire protection, life-saving appliances and means of escape

*Navires et technologie maritime — Plans de sécurité à bord du navire, des
moyens de lutte contre l'incendie, des engins de sauvetage et des moyens
d'évacuation*



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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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 17631 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 1, *Lifesaving and fire protection*. It is intended to supplement International Maritime Organization (IMO) requirements and recommendations for arrangement of shipboard plans used on commercial vessels complying with the International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended.

Annex A forms a normative part of this International Standard. Annex B is for information only.

Introduction

This International Standard has been developed taking into account the existing IMO guidance on the subject as listed in the bibliography. The symbols in annex A generally conform to the corresponding symbols given in IMO Resolutions A.654(16) ([3] in the bibliography) and A.760(18) ([7] in the bibliography) but, as far as the symbols for fire plans are concerned, it was deemed necessary to carry out the following changes.

- a) The colour code given in ISO 14726-1 and ISO 14726-2 ([11] and [12] in the bibliography) has been adopted in order to render more evident the various types of systems/content of equipment present on board and for which the same symbol is used. This reduces the number of symbols referring to similar systems or equipment and, consequently, avoids cluttering of the plans.
- b) With the aim of rendering them more comprehensible to people on board and to shoreside fire-fighting personnel, who might be called to operate onboard, a small number of symbols (e.g. the one referring to fire hydrant and hose) contained in IMO Resolution A.654(16) have been modified in order to harmonize them with ISO 6309 ([10] in the bibliography).

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Ships and marine technology — Shipboard plans for fire protection, life-saving appliances and means of escape

1 Scope

This International Standard specifies the content, type, design, layout and usage of shipboard plans for fire-protection appliances, structural fire protection, life-saving appliances and arrangements, and means of escape. It also specifies graphical symbols and illustrations used in such plans.

2 Terms and definitions

For the purposes of this International Standard, the following terms and definitions apply.

2.1

booklet

compilation of shipboard plans

2.2

competent authority

Administration whose flag the ship is entitled to fly, or an organization authorized by an Administration, to perform functions required by this International Standard

2.3

fire locker

locker containing fire-fighter outfits, portable fire-fighting equipment and relevant spare parts

2.4

fire plan

plan, plans, or booklets containing information on fire-protection appliances and structural fire protection, as specified in SOLAS 74 (as amended), Chapter II-2

NOTE Fire plan has the meaning of "fire control plan" as mentioned in SOLAS 74 [as amended through IMO Resolution MSC.99(73)], regulation II-2/15.2.4, [1] in the bibliography.

2.5

fire-protection appliances

fixed fire-fighting systems and portable equipment to be used or activated in case of fire, as specified in SOLAS 74 (as amended), Chapter II-2

2.6

graphical symbol

visually perceptible figure which is used for the purpose of transmitting information independent of the medium of language

2.7

illustration

use of line drawings for the depiction of a vessel's general arrangement

2.8

life-saving appliances

systems or appliances serving the purpose of saving the life of any person, in an emergency at sea as addressed by SOLAS 74 (as amended), Chapter III