
**Ships and marine technology — Position-
indicating lights for life-saving
appliances — Testing, inspection and
marking of production units**

*Navires et technologie maritime — Feux de localisation pour engins de
sauvetage — Essais, inspection et marquage des unités produites*



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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.

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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 24408 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 1, *Lifesaving and fire protection*.

Introduction

This International Standard is intended for use in conjunction with the International Maritime Organization (IMO) Life-Saving Appliances (LSA) Code, and related IMO instruments, to assess the conformity of the production of various types of approved position-indicating lights with the relevant IMO requirements.

Some of the provisions of this International Standard exceed the IMO requirements, in that the IMO *Recommendation on Testing of Life-Saving Appliances* [Resolution A.689(17), as amended through Res. MSC.81(70)], does not provide any specific requirements for testing and inspection of production units. However, Part 2 of that document does require manufacturers to institute a quality control procedure to ensure that life-saving appliances are produced to the same standard as the prototype approved by the maritime safety administration, and to keep records of any production tests carried out.

This International Standard specifies procedures that meet the above requirements; thus by following these, manufacturers will be able to demonstrate compliance with the IMO recommendation.

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Ships and marine technology — Position-indicating lights for life-saving appliances — Testing, inspection and marking of production units

1 Scope

This International Standard specifies production tests and inspections, and marking requirements for position-indicating lights used in conjunction with various items of life-saving equipment, including survival craft interior lights. Specifically, it applies to position-indicating lights which have been type approved by or on behalf of a national maritime safety administration, to the requirements of the International Maritime Organization LSA Code, for use in ships subject to the requirements of the International Convention for the Safety of Life at Sea (SOLAS), 1974 (as amended). The basic principles may also be considered suitable for position-indicating lights manufactured to other than the IMO requirements.

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.

IMO Res. A.689(17), as amended through IMO Res. MSC.81(70), *Revised Recommendation on Testing of Life-Saving Appliances*, International Maritime Organization

3 Terms and definitions

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

3.1

lot

unit of production that, as far as practicable, consists of production units of a single type, class, size and composition, manufactured under the same conditions, and at substantially the same time

3.2

ambient temperature

temperature of $20\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$

3.3

fresh water

water with a conductivity not greater than $1\,800\text{ }\mu\text{S}$

3.4

seawater

artificial seawater made up to a dilution of 3,5 % by volume of dissolved sodium chloride and fresh water