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INTERNATIONAL STANDARD

Electrical installations in ships – Part 509: Operation of electrical installations

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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International Standard IEC 60092-509 has been prepared by IEC technical committee 18: Electrical installations of ships and of mobile and fixed offshore units.

The text of this standard is based on the following documents:

FDIS	Report on voting
18/1196/FDIS	18/1207/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 60092 series, published under the general title *Electrical installations in ships,* can be found on the IEC web site.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

INTRODUCTION

The different parts of IEC 60092 form a series of international standards for electrical installations in sea-going ships, incorporating good practice and co-ordinating, as far as possible, existing rules. These standards form a code of practical interpretation and amplification of the requirements of the International Convention on Safety of Life at Sea (SOLAS 74/88) a guide for future regulations which may be prepared and a statement of practice for use by ship owners, shipbuilders and appropriate organizations.

ELECTRICAL INSTALLATIONS IN SHIPS –

Part 509: Operation of electrical installations

1 Scope

This part of IEC 60092 is applicable to all operation of and work activity on electrical generation, conversion and distribution systems and electrical equipment in ships, including all a.c and d.c voltages.

This standard sets out the requirements for the safe operation of work and activity on, with, or near electrical installations. These requirements apply to operational, working and maintenance activities. It applies to all electrical work activities as well as non-electrical work activities such as structural work near electrical equipment and cables.

This standard does not apply to ordinary persons when using installations and equipment, provided that the installations and equipment are designed and installed for use by ordinary persons and comply with relevant requirements of the IEC 60092 series.

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.

IEC 60092-101:2002, *Electrical installations in ships – Part 101*: *Definitions and general requirements*

IEC 61310-2, *Safety of machinery – Indication, marking and actuation – Part 2: Requirements for marking*