

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Low-voltage electrical installations –  
Part 5-56: Selection and erection of electrical equipment – Safety services**

**Installations électriques des bâtiments –  
Partie 5-56: Choix et mise en œuvre des matériels électriques – Services de  
sécurité**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## LOW-VOLTAGE ELECTRICAL INSTALLATIONS –

**Part 5-56: Selection and erection of electrical equipment –  
Safety services**

## FOREWORD

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International Standard IEC 60364-5-56 has been prepared by IEC technical committee 64: Electrical installations and protection against electric shock.

This second edition of IEC 60364-5-56 comes about as a result of changes to Clause 556, *Safety services*, of IEC 60364-5-55 (2001), as modified by its amendment 1 (2001).<sup>1</sup>

This new part replaces Clause 556 of IEC 60364-5-55:2001. Clause 556 is to be withdrawn at the time of publication of this new Part 56.

The main changes with regard to the previous edition are listed below:

- 1) Many more definitions are included, e.g. response time, central power supply system, low power supply system, preferential circuit and escape route.

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<sup>1</sup> The first edition of IEC 60364-5-56, which was published in 1980, together with its amendment (1998), was withdrawn when its contents were incorporated into the first edition of IEC 60364-5-55.

- 2) Automatic supplies are now classified according to the maximum changeover times, for example a supply classified as short break means an automatic supply is available within 0,5 s.
- 3) Safety sources that can operate in parallel are specifically recognized in 560.6.9.
- 4) Requirements are now given for batteries used for safety sources for central and low power supply sources.
- 5) Drawings are now required, such as a single-line diagram, drawings showing the location of equipment and a list of equipment permanently connected to the safety power supply.
- 6) Operating instructions are now required.
- 7) Detailed requirements are now given for emergency escape lighting applications, direct current circuits and fire protection applications.
- 8) Additional requirements for initial verification and periodic inspection and testing are now included in the standard.
- 9) Two annexes are now included (Annex A and Annex B) giving guidance for emergency lighting and guidance for fire protection equipment, respectively.

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

| FDIS         | Report on voting |
|--------------|------------------|
| 64/1677/FDIS | 64/1686/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.

The reader's attention is drawn to the fact that Annex C lists all of the "in-some-country" clauses on differing practices of a less permanent nature relating to the subject of this standard.

A list of all parts in the IEC 60364 series, under the general title *Low-voltage electrical installations*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC website 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.