

INTERNATIONAL STANDARD

**Lightning protection system components (LPSC) -
Part 2: Requirements for conductors and earth electrodes**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Lightning protection system components (LPSC) -
Part 2: Requirements for conductors and earth electrodes**

FOREWORD

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IEC 62561-2 has been prepared by IEC technical committee 81: Lightning protection. It is an International Standard.

This third edition cancels and replaces the second edition published in 2018. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) definitions of new conductor types mentioned in this document have been added;
- b) the document has been updated in line with IEC 60068-2-52:2017 on salt mist treatment;
- c) the document has been updated in line with ISO 22479:2019 on humid sulphurous atmosphere treatment;
- d) a new normative Annex H for material, configuration and cross-sectional area test has been introduced;

- e) a new normative Annex I for applicability of previous tests has been introduced.
- f) equipotential earth grid has been introduced.

The text of this International Standard is based on the following documents:

Draft	Report on voting
81/794/FDIS	81/800/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 62561 series, published under the general title *Lightning protection system components (LPSC)*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

INTRODUCTION

This part of IEC 62561 deals with the requirements and tests for lightning protection system components (LPSC), specifically conductors and earth electrodes, used for the installation of a lightning protection system (LPS) designed and implemented according to the IEC 62305 series.