

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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**Electrical relays – Tests and measurements –  
Part 44: Corrosive atmosphere due to salt mist**

**Relais électriques – Essais et mesurages –  
Partie 44: Atmosphère corrosive due au brouillard salin**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL RELAYS –  
TESTS AND MEASUREMENTS –**

**Part 44: Corrosive atmosphere due to salt mist**

**FOREWORD**

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IEC 63255-44 has been prepared by IEC technical committee 94: Electrical relays. It is an International Standard.

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

Draft	Report on voting
94/1133/FDIS	94/1147/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

A list of all parts of IEC 63522 series, published under the general title *Electrical relays – Tests and measurements*, can be found on the IEC website.

This International Standard is to be used in conjunction with IEC 63522-0:–<sup>1</sup>

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](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

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<sup>1</sup> Under preparation. Stage at the time of publication: IEC CDV 63522-0:2024.

# ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –

## Part 44: Corrosive atmosphere due to salt mist

### 1 Scope

This part of IEC 63522 is used for testing all kinds of electrical relays and for evaluating their ability to perform under expected conditions of transportation, storage and all aspects of operational use.

NOTE Examples for electrical relays in the sense of this document include electromechanical relay, reed relays, reed contacts, reed switches, solid state relays, time relays and technology combinations of these.

The object of this test is to define a standard test method for salt mist.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 60068-2-11, *Environmental testing – Part 2-11: Tests – Test Ka: Salt mist*

IEC 60068-2-52, *Environmental testing – Part 2-52: Tests – Test Kb: Salt mist, cyclic (sodium chloride solution)*

IEC 63522-0:–, *Electrical relays – Tests and measurements – Part 0: General and guidance*<sup>2</sup>

IEC 63522-1:–, *Electrical relays – Tests and measurements – Part 1: Visual inspection and check of dimensions*<sup>3</sup>

IEC 63522-4:–, *Electrical relays – Tests and measurements – Part 4: Dielectric strength test*<sup>4</sup>

IEC 63522-6:–, *Electrical relays – Tests and measurements – Part 6: Contact-circuit resistance (or voltage drop)*<sup>5</sup>

IEC 63522-7:–, *Electrical relays – Tests and measurements – Part 7: Functional tests*<sup>6</sup>

IEC 63522-9:–, *Electrical relays – Tests and measurements – Part 9: Climatic tests*<sup>7</sup>

<sup>2</sup> Under preparation. Stage at the time of publication: IEC CDV 63522-0:2024.

<sup>3</sup> Under preparation. Stage at the time of publication: IEC FDIS 63522-1:2024.

<sup>4</sup> Under preparation. Stage at the time of publication: IEC FDIS 63522-4:2024.

<sup>5</sup> Under preparation. Stage at the time of publication: IEC FDIS 63522-6:2024.

<sup>6</sup> Under preparation. Stage at the time of publication: IEC FDIS 63522-7:2024.

<sup>7</sup> Under preparation. Stage at the time of publication: IEC FDIS 63522-9:2024.