



# SLOVENSKI STANDARD

## SIST EN 60507:2014

01-oktober-2014

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### Preskusi z umetnim onesnaženjem visokonapetostnih keramičnih izolatorjev in izolatorjev za sisteme z izmenično napetostjo

Artificial pollution tests on high-voltage ceramic and glass insulators to be used on a.c. systems

Essais sous pollution artificielle des isolateurs haute tension en céramique et en verre destinés aux réseaux à courant alternatif

**Ta slovenski standard je istoveten z: EN 60507:2014**

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#### **ICS:**

29.080.10      Izolatorji      Insulators

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60507**

March 2014

ICS 29.080.10

Supersedes EN 60507:1993

English version

**Artificial pollution tests on high-voltage ceramic and glass insulators to be used on a.c. systems**  
(IEC 60507:2013)

Essais sous pollution artificielle des  
isolateurs haute tension en céramique et  
en verre destinés aux réseaux à courant  
alternatif  
(CEI 60507:2013)

Fremdschichtprüfungen an  
Hochspannungs-Isolatoren aus Keramik  
und Glas zur Anwendung in  
Wechselspannungssystemen  
(IEC 60507:2013)

This European Standard was approved by CENELEC on 2014-01-17. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 36/337/FDIS, future edition 3 of IEC 60507, prepared by IEC/TC 36 "Insulators" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60507:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-10-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-01-17

This document supersedes EN 60507:1993.

EN 60507:2014 includes the following significant technical changes with respect to EN 60507:1993:

- a) Corrections and the addition of explanatory material;
- b) The addition of Clause 4.4.2 on atmospheric correction;
- c) The change of the upper limit of conductivity of water to 0.1 S/m; and
- d) The extension to UHV voltages.

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**Annex ZA**  
(normative)  
**Normative references to international publications**  
**with their corresponding European publications**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60060-1	-	High-voltage test techniques - Part 1: General definitions and test requirements	EN 60060-1	-
IEC 60071-1	-	Insulation co-ordination - Part 1: Definitions, principles and rules	EN 60071-1	-
IEC/TS 60815-1	-	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 1: Definitions, information and general principles	-	-
IEC/TS 60815-2	-	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 2: Ceramic and glass insulators for a.c. systems	-	-

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IEC 60507

Edition 3.0 2013-12

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Artificial pollution tests on high-voltage ceramic and glass insulators to be used on a.c. systems**

**Essais sous pollution artificielle des isolateurs haute tension en céramique et en verre destinés aux réseaux à courant alternatif**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ARTIFICIAL POLLUTION TESTS ON HIGH-VOLTAGE CERAMIC  
AND GLASS INSULATORS TO BE USED ON A.C. SYSTEMS**

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International Standard IEC 60507 has been prepared by IEC technical committee 36: Insulators.

This third edition cancels and replaces the second edition published in 1991. This third edition constitutes a technical revision.

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

- a) Corrections and the addition of explanatory material;
- b) The addition of Clause 4.3.2 on atmospheric correction;
- c) The change of the upper limit of conductivity of water to 0.1 S/m; and
- d) The extension to UHV voltages.

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36/337/FDIS	36/342/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 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

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