SA TS IEC 60815.2:2020 IEC TS 60815-2:2008



**Technical Specification** 

## Selection and dimensioning of highvoltage insulators intended for use in polluted conditions

Part 2: Ceramic and glass insulators for a.c. systems



#### SA TS IEC 60815.2:2020

This Australian Technical Specification was prepared by EL-010, Overhead Lines. It was approved on behalf of the Council of Standards Australia on 10 November 2020.

This Technical Specification was published on 27 November 2020.

The following are represented on Committee EL-010: Aerial Application Association of Australia Australian Industry Group Civil Aviation Safety Authority Communications, Electrical and Plumbing Union — Electrical Division Department of Regional NSW Electrical Regulatory Authorities Council Energy Networks Australia Engineers Australia

This Technical Specification was issued in draft form for comment as DR SA TS IEC 60815.2:2020.

#### **Keeping Standards up-to-date**

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting: www.standards.org.au

SA TS IEC 60815.2:2020 IEC TS 60815-2:2008

**Technical Specification** 

# Selection and dimensioning of high-voltage insulators intended for use in polluted conditions

# Part 2: Ceramic and glass insulators for a.c. systems

First published as AS 4436:1996. Revised and redesignated as SA TS IEC 60815.2:2020.



© IEC 2020 — All rights reserved © Standards Australia Limited 2020

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of either the IEC or the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth). If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please see the contact details on the back cover or the contact us page of the website for further information.

### Preface

This Technical Specification was prepared by the Standards Australia Committee EL-010, Overhead Lines to supersede AS 4436—1996, *Guide for the selection of insulators in respect of polluted conditions.* 

The objective of this document is to provide the user with a means to —

- (a) determine the reference unified specific creepage distance (RUSCD) from site pollution severity (SPS) class;
- (b) evaluate the suitability of different insulator profiles;
- (c) determine the necessary USCD by applying corrections for insulator shape, size, position, etc. to the RUSCD; and
- (d) if required, determine the appropriate test methods and parameters to verify the performance of the selected insulators.

This document applies to the selection of ceramic and glass insulators for a.c. systems, and the determination of their relevant dimensions, to be used in high-voltage systems with respect to pollution.

This document is identical with, and has been reproduced from IEC/TS 60815-2:2008, *Selection and dimensioning of high-voltage insulators intended for use in polluted conditions* — *Part 2: Ceramic and glass insulators for a.c. systems.* 

As this document has been reproduced from an International Technical Specification the following applies:

- (a) In the source text "IEC TS 60815-2, which is a technical specification" and "this part of IEC 60815" should read "this document".
- (b) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms "normative" and "informative" are used in Standards to define the application of the appendices or annexes to which they apply. A "normative" appendix or annex is an integral part of a Standard, whereas an "informative" appendix or annex is only for information and guidance.

This is a free page sample. Access the full version online.

### NOTES



This is a free preview. Purchase the entire publication at the link below:

**Product Page** 

S Looking for additional Standards? Visit Intertek Inform Infostore

> Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation