

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

STANDARDS
Australia



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



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

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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.



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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.

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