

Australian Standard™

**Insulators—Composite for overhead
power lines—
Voltages greater than 1000 V a.c.**

**Part 4: Definitions, test methods,
acceptance criteria for post insulator
units**

This Australian Standard was prepared by Committee EL-010, Overhead Lines. It was approved on behalf of the Council of Standards Australia on 21 April 2005. This Standard was published on 24 May 2005.

The following are represented on Committee EL-010:

Australasian Railway Association
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Australian Porcelain Insulators Association
Electricity Engineers Association (New Zealand)
Energy Networks Association

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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee EL-010, Overhead Lines, to supersede AS 4435.4—1997. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian, rather than Australian/New Zealand Standard.

The objective of this Standard is to provide users and manufacturers of composite line post insulators with definitions and terms, test methods and acceptance criteria to facilitate their specification.

This Standard is one of a five-part series to cover composite insulators for overhead lines, which when complete will comprise the following:

- (a) AS 4435.1, Insulators—Composite for overhead powerlines—Voltages greater than 1000 V a.c.—Definitions, test methods and acceptance criteria for string insulator units
- (b) AS 4435.2, Insulators—Composite for overhead powerlines—Voltages greater than 1000 V a.c.—Standard strength classes and end fittings for string insulator units
- (c) AS 4435.3, A proposed Part 3 to cover dimensional and electrical characteristics of composite insulators for overhead power lines.
- (d) AS 4435.4, Insulators—Composite for overhead powerlines—Voltages greater than 1000 V a.c.—Definitions, test methods and acceptance criteria for post insulator units (this Standard)
- (e) A proposed Part 5 to cover standard strength classes and end fittings for post insulator units

This Standard is identical with, and has been reproduced from IEC 61952, Ed. 1.0 (2002), *Insulators for overhead lines – Composite line post insulators for a.c. with a nominal voltage greater than 1000 V*.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
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- (d) Any French text on figures should be ignored.

The term ‘informative’ is used to define the application of the annex to which it applies. An informative annex is only for information and guidance.

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