

AS 4436—1996
IEC 815:1986

Australian Standard[®]

**Guide for the selection of insulators
in respect of polluted conditions**

This Australian Standard was prepared by Committee EL/10, Overhead Lines. It was approved on behalf of the Council of Standards Australia on 27 September 1996 and published on 5 December 1996.

The following interests are represented on Committee EL/10:

Australasian Railway Association
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Australian Porcelain Insulators Association
Electricity Engineers Association of New Zealand
Electricity Supply Association of Australia

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**Guide for the selection of insulators
in respect of polluted conditions**

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/10 on Overhead Lines.

The objective of this Standard is to give general rules, based on experience in service and tests in naturally and artificially polluted conditions, that help in choosing insulators that give satisfactory performance under polluted conditions.

This Standard is the result of a consensus among Australian and New Zealand representatives to produce it as an Australian Standard.

This Standard is identical with and has been reproduced from IEC 815:1986, *Guide for the selection of insulators in respect of polluted conditions*.

Users of this Standard are advised by Standards Australia, under arrangements made with ISO and IEC, and certain other Standards organizations, that the number of this Standard is not reproduced on each page, its identity is shown only on the cover and title pages.

For the purpose of this Australian Standard the source text should be modified as follows:

- (a) The words 'this Australian Standard' should replace 'this International Standard' wherever they appear.
- (b) References to international Standards should be replaced by references to the following equivalent Australian Standards:

<i>References to International Standard</i>		<i>Australian Standard</i>	
IEC		AS	
71	Insulation co-ordination	1824	Insulation coordination
71-2	Part 2: Application guide	1824.2	Part 2: Application guide
273	Characteristics of indoor and outdoor post insulators for systems with nominal voltages greater than 1000 V	1137	Insulators
		1137.3	Part 3: Porcelain and glass indoor and outdoor station post insulators (for voltages greater than 1000 V a.c.)
305	Insulators for overhead lines with a nominal voltage above 1000 V—Ceramic or glass insulators for a.c. systems—Characteristics of insulator units of the cap and pin type	2947	Insulators—Porcelain and glass for overhead power lines—Voltages greater than 1000 V a.c.
		2947.2	Part 2: Characteristics
433	Characteristics of string insulator units of the long rod type	2947	Insulators—Porcelain and glass for overhead power lines—Voltages greater than 1000 V a.c.
		2947.2	Part 2: Characteristics
507	Artificial pollution tests on high-voltage insulators to be used on a.c. systems	—	
720	Characteristics of line post insulators	2947	Insulators—Porcelain and glass for overhead power lines—Voltages greater than 1000 V a.c.
		2947.2	Part 2: Characteristics

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