

Australian/New Zealand Standard™

Steel utility services poles

AS/NZS 4677:2000

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Australian Aluminium Council
Bureau of Steel Manufacturers of Australia
Concrete Pipe Association of Australasia
Electricity Supply Association of Australia
National Precast Concrete Association of Australia
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Standards Committee CE/19, Utility Services Poles.

The objective of this Standard is to provide the designers, manufacturers and purchasers of steel utility services poles with a specification for their manufacture

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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Steel utility services poles

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies minimum requirements for the materials, design, fabrication and erection of steel utility services poles.

The Standard applies to steel poles and their component parts which support any one of street lights, floodlights, aerial conductors, electromotive-transport conductors, traffic signals, communication equipment, or similar utility services, or any combination of these services.

The Standard does not apply to lattice steel towers and masts, freestanding or guyed, nor to steel flag poles.

NOTES:

- 1 Means for demonstrating compliance with this Standard are given in Appendix A
- 2 Design of lattice steel towers and masts is specified in AS 3995.

1.2 APPLICATION

This Standard is not intended to serve as a complete technical specification for steel utility services poles, but may form the basis of such specifications. The Standard shall not be interpreted as preventing the use of materials or methods of design, fabrication or erection not specifically referred to herein. For structural design requirements refer to AS/NZS 4676.

1.3 REFERENCED DOCUMENTS

The documents referred to in this Standard are listed in Appendix B.

1.4 DEFINITIONS AND DIMENSIONS

For the purpose of this Standard, the definitions given in AS 1158.1, AS 1798 and AS/NZS 4676 apply.

1.5 CLASSIFICATION

Steel utility services poles shall be classified in accordance with AS/NZS 4676.

1.6 MARKING**1.6.1 General**

Unless otherwise specified by the purchaser, all poles shall be permanently and legibly marked, at a height not greater than 2 m above ground level, with the following information in lettering not less than 5 mm in height:

- (a) Manufacturer's identification (e.g. Name, trademark, logo).
- (b) Year of manufacture (see Note 1).