

Australian Standard[®]

**Supervisory control and data
acquisition (SCADA)—Generic
telecommunications interface
and protocol**

Part 1: General

This Australian Standard was prepared by Committee IT/24, Supervisory Control and Data Acquisition. It was approved on behalf of the Council of Standards Australia on 14 June 1996 and published on 5 August 1996.

The following interests are represented on Committee IT/24:

Agriculture and Resource Management Council of Australia and New Zealand

Association of Consulting Engineers Australia

AUSTEL

Australasian Railway Association

Australian Electrical and Electronic Manufacturers Association

Australian Fire Authorities Council

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PREFACE

This Standard was prepared by the Standards Australia Committee IT/24 on Supervisory Control and Data Acquisition.

The objective of this Standard is to provide manufacturers and users of SCADA systems with a common telecommunications interface and protocol in order to achieve equipment interoperability.

The AS 4418 series of Standards has been structured so that Part 1 (this Standard) provides general requirements for SCADA networks and subsequent Parts provide requirements for specific applications. The other published Standard in this series, Part 2, *Fire alarm systems*, fits the latter criterion.

Specific applications Standards may encompass direct-linked networks and dial-in networks using the public switched telephone network. Applications which could form further Parts of this series of Standards could cover areas such as systems for service utilities, transport and security.

This series of Standards has been prepared to be consistent with requirements developed by the IEC and published as IEC 870, *Telecontrol equipment and systems*. Although the IEC 870 series was developed for the electricity industry, the above Australian Standards have been developed as part of a possible series for multi-utility applications.

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