AS 4418.2—2000

Australian Standard™

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

Part 2: Fire alarm systems

Standards Australia

This Australian Standard was prepared by Committee IT/24, Supervisory Control and Data Acquisition (SCADA). It was approved on behalf of the Council of Standards Australia on 17 July 2000 and published on 25 September 2000.

The following interests are represented on Committee IT/24:

Association of Consulting Engineers Australia

Australasian Fire Authorities Council

Australasian Railway Association

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PREFACE

This Standard was prepared by the Standards Australia Committee IT/24 on Supervisory Control and Data Acquisition as a revision to AS 4418.2 —1996.

The objective of this Standard is to provide fire equipment manufacturers and fire alarm monitoring organizations with a telecommunications protocol for connecting fire alarm systems to monitoring centres, in order to achieve system and equipment interoperability. Other industry groups may also find the requirements applicable. The objective of this revision is to enhance interoperability and to add additional features based on practical implementation of the Standard.

This Standard is consistent with requirements developed by IEC and published in IEC 60870, *Telecontrol equipment and systems,* the relevant Parts of which have been issued as Australian Standard, AS 60870 of the same name. This Part has been prepared as one of a possible series of Standards for SCADA applications. AS 4418.1 defines the general requirements, including security and addressing, for SCADA networks and this Part is a specific fire alarm monitoring application. The two Parts should be read in conjunction.

Other applications which could form further Parts of this series of Standards could cover areas such as systems for service utilities, transport and security.

Standards Australia/Standards New Zealand Committee FP/2 on Automatic Fire Detection, Warning and Intercom Systems has prepared a product Standard for alarm signalling equipment designed to utilize this telecommunications protocol, AS 4428.6 *Fire detection, warning, control and intercom systems—Control and indicating equipment* Part 6: *Alarm signalling equipment.* In addition, Committee FP/2 has prepared a Standard which specifies minimum alarm monitoring network performance parameters which network designers are able to use to ensure adequate performance of monitored fire alarm systems, AS 1670.3 *Fire detection, warning, control and intercom systems —Control and indicating equipment —System design, installation, and commissioning* Part 3: *Monitoring network performance.*

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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