

AS/NZS ISO/IEC 18598:2021
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Australian/New Zealand Standard™

Information technology — Automated infrastructure management (AIM) systems — Requirements, data exchange and applications



AS/NZS ISO/IEC 18598:2021

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- Australian Chamber of Commerce and Industry
- Australian Council of Trade Unions (ACTU)
- Australian Digital and Telecommunications Industry Association
- Australian Industry Group
- Australian Information Industry Association
- BICSI South Pacific (Australia)
- BICSI South Pacific (New Zealand)
- Energy Networks Australia
- Engineers Australia
- KNX National Group
- National Electrical and Communications Association
- NBN Co
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Australian/New Zealand Standard™

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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CT-001, Interconnection of Information Technology equipment.

The objective of this document is to specify the requirements and recommendations for the attributes of automated infrastructure management (AIM) systems.

This document explains how AIM systems can contribute to operational efficiency and deliver benefits to—

- (a) cabling infrastructure and connected device administration;
- (b) facilities and IT management processes and systems;
- (c) other networked management processes and systems (e.g. intelligent building systems); and
- (d) business information systems covering asset tracking and asset management together with event notifications and alerts that assist with physical network security.

This document specifies a framework of requirements and recommendations for data exchange with other systems.

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Foreword

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International Standard ISO/IEC 18598 was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

This International Standard has been approved by vote of the member bodies, and the voting results may be obtained from the address given on the second title page.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

Introduction

This International Standard is intended for

- premises owners and facility managers,
- suppliers of AIM solutions,
- planners of network infrastructures,
- network operation managers,
- data centre operation managers,
- IT process managers,
- suppliers of management system software,
- software integrators.

This International Standard is one of a number of documents prepared in support of International Standards and Technical Reports produced by ISO/IEC JTC 1/SC 25.

NOTES

Australian/New Zealand Standard

Information technology — Automated infrastructure management (AIM) systems — Requirements, data exchange and applications

1 Scope

This International Standard specifies the requirements and recommendations for the attributes of automated infrastructure management (AIM) systems.

This International Standard explains how AIM systems can contribute to operational efficiency and deliver benefits to

- a) cabling infrastructure and connected device administration,
- b) facilities and IT management processes and systems,
- c) other networked management processes and systems (e.g. intelligent building systems),
- d) business information systems covering asset tracking and asset management together with event notifications and alerts that assist with physical network security.

This International Standard specifies a framework of requirements and recommendations for data exchange with other systems

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

There are no normative references in this document.

3 Terms, definitions and abbreviations

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1.1

AIM-enabled port

port which is able to automatically detect the insertion and removal of a cord and process that event as part of an automated infrastructure management system

3.1.2

AIM hardware

combination of patch panels and controllers that are designed to automatically detect the insertion or removal of cords, to record connectivity information, and to exchange connectivity information with AIM software

3.1.3

AIM system

integrated hardware and software system that automatically detects the insertion or removal of cords, documents the cabling infrastructure including connected equipment enabling management of the infrastructure and data exchange with other systems

3.1.4

alarm

event of sufficient importance to be highlighted within the AIM system