

Australian Standard[®] 2834—1985

COMPUTER ACCOMMODATION

For referenced document see Clause 1.3



STANDARDS ASSOCIATION OF AUSTRALIA
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This Australian standard was prepared by Committee IS/2, Computer Installation. It was approved on behalf of the Council of the Standards Association of Australia on 22 October 1985 and published on 2 December 1985.

The following interests are represented on Committee IS/2:

Airconditioning and Refrigeration Equipment Manufacturers Association of Australia
Australian Bankers' Association
Australian Information Industry Association
Australian Institute of Refrigeration, Airconditioning and Heating (Inc)
Board of Fire Commissioners, New South Wales
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AMENDMENT No 1
to
AS 2834—1985
COMPUTER ACCOMMODATION

CORRECTION

SUMMARY: This amendment applies to Paragraphs D4.1, D5.3.3(b), F2.4.2(a)(iii), F2.4.2(a)(iv), F2.4.2(b)(v), F2.4.2(c)(vii), F2.4.2(d)(iv), F2.4.2(e)(v), F2.4.2(f)(D), F3(a)(vi).

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PREFACE

This standard was prepared by the Association's Committee on Computer Installations.

This standard is based on the requirements of computer technology at the time of preparation. However it is recognized that this technology is rapidly changing and the requirements in this standard may be subject to further development.

The purpose of this standard is to provide a guide to requirements for the accommodation of computer equipment. The wide diversity of equipment configurations possible and the way in which these alter to meet changing technology or system demands makes it very difficult to create a simple standard which is universally applicable. This standard contains many recommendations which should be understood fully by both user and supplier so that early agreement can be reached on particular requirements for the specific installation being considered.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
for
COMPUTER ACCOMMODATION

SECTION 1. SCOPE AND APPLICATION

1.1 SCOPE. This standard sets out the recommended requirements for the accommodation of computers in buildings.

This standard is not intended for application to—

- (a) existing installations;
- (b) personal or home computers;
- (c) remote computer terminals;
- (d) equipment of similar construction (unless so specified by the supplier); or
- (e) equipment located on factory floors, in public access areas, in the open air or in similar uncontrolled environments.

1.2 APPLICATION. It is intended that this standard be used as a basis for planning a computer installation.

This standard may be applied to existing installations at the time of renovation or extension.

NOTE: Appendix A gives guidance on facility design.

1.3 REFERENCED DOCUMENTS. The following standards and documents are referred to in this standard:

- AS C1 Standard Voltages and Frequency for A.C. Transmission and Distribution Systems
- AS 1020 The Control of Undesirable Static Electricity
- AS 1132 Methods of Test for Air Filters for Use in Air-conditioning and General Ventilation Part 5—Determination of Arrestance Efficiency, Average Arrestance Efficiency, Dust-holding Capacity, and Dust-holding Capacity per Unit of Effective Face Area for Test Dusts Nos 1, 2 and 3
- AS 1170 Minimum Design Loads on Structures Part 1—Dead and Live Loads
- AS 1307 Surge Diverters—Non-linear Resistor Type
- AS 1324 Air Filters for Use in Air-conditioning and General Ventilation
- AS 1428 Code of Practice for Design Rules for Access by the Disabled
- AS 1530 Methods for Fire Tests on Building Materials, Components and Structures Part 3—Test for Early Fire Hazard Properties of Materials Part 4—Fire-resistance Test of Structures

- AS 1668 SAA Mechanical Ventilation and Air-conditioning Code Part 1—Fire Precautions in Buildings with Air-handling Systems Part 2—Ventilation Requirements
 - AS 1670 Automatic Fire Alarm Installations
 - AS 1680 Code of Practice for Interior Lighting and the Visual Environment
 - AS 1735 SAA Lift Code Part 11—Fire-rated Landing Doors
 - AS 1768 Lightning Protection
 - AS 1850 Portable Fire Extinguishers—Classification, Rating and Fire Testing
 - AS 1851 Maintenance of Fire Protection Equipment
 - AS 1905 Components for the Protection of Openings in Fire-resistant Walls Part 1—Fire-resistant Doorsets
 - AS 2118 SAA Code for Automatic Fire Sprinkler Systems
 - AS 2293 Emergency Evacuation Lighting in Buildings Part 1—Installation Requirements
 - AS 2444 Portable Fire Extinguishers—Selection and Location
 - AS 3000 SAA Wiring Rules
 - NFPA 12A Halon 1301 Fire Extinguishing Systems
 - ASTM-D-2240-81 Standard Test Method for Rubber Property—Durometer Hardness.
 - ✓ AIRAH Design Data Book 697.9312
- The following standards are also relevant:
- AS 1188 Rules for Safe Practice in the Operation and Maintenance of Electronic Equipment
 - AS 1603 Automatic Fire Detection and Alarm Systems Part 1—Thermal Detectors Part 2—Smoke Detectors Part 4—Control and Indicating Equipment
 - AS 2107 Ambient Sound Level for Areas of Occupancy within Buildings
 - AS 2713 Lighting and the Visual Environment for Screen Based Tasks
 - AS 2743 Stabilized Power Supplies—A.C. Output
 - AS 2785 Suspended Ceilings—Design and Installation