

Australian Standard<sup>®</sup>

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**Computer accommodation**

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This Australian Standard was prepared by Committee IT/2, Computer Installations. It was approved on behalf of the Council of Standards Australia on 9 May 1995 and published on 5 August 1995.

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AS 2834—1995

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## PREFACE

This Standard was prepared by the Standards Australia Committee IT/2 on Computer Installations to supersede AS 2834—1985.

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 objective 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 make 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 requirements for the specific installation being considered.

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SECTION 1 SCOPE AND APPLICATION

**1.1 SCOPE** This Standard sets out the requirements and recommendations for the accommodation of computers in buildings. It is not intended for application to—

- (a) personal or home computers;
- (b) remote computer terminals;
- (c) equipment of similar construction (unless so specified by the supplier); or
- (d) 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. Where recommendations given are not adopted in a design or construction, documented reasons should be included in a project file.

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 AND RELATED DOCUMENTS**

**1.3.1 Referenced documents** The following documents are referred to in this Standard:

AS

1020	The control of undesirable static electricity
1132	Methods of test for air filters for use in air conditioning and general ventilation
1132.5	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
1170	Minimum design loads on structures (known as the SAA Loading Code)
1170.1	Part 1: Dead and live loads and load combinations
1307	Surge arrestors (diverters)
1324	Air filters for use in air conditioning and general ventilation
1428	Design for access and mobility
1530	Methods for fire tests on building materials, components and structures
1530.4	Part 4: Fire-resistance test of elements of building construction
1668	The use of mechanical ventilation and airconditioning in buildings
1668.2	Part 2: Mechanical ventilation for acceptable indoor-air quality
1670	Automatic fire detection and alarm systems—System design, installation and commissioning