

Building Code of Australia
Primary referenced Standard

Australian/New Zealand Standard™

**Air-handling and water systems of
buildings—Microbial control**

Part 2: Operation and maintenance



AS/NZS 3666.2:2002

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-062, Ventilation and Airconditioning. It was approved on behalf of the Council of Standards Australia on 8 March 2002 and on behalf of the Council of Standards New Zealand on 21 March 2002. It was published on 2 May 2002.

The following interests are represented on Committee ME-062:

Air-Conditioning and Refrigeration Equipment Manufacturers Association of Australia
Australasian Fire Authorities Council
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Institute of Building Surveyors
Australian Institute of Refrigeration Air Conditioning and Heating
Chartered Institution of Building Services Engineers
Department of Contract and Management Services, W.A.
FPA Australia
Institute of Refrigeration Heating and Air Conditioning Engineers of New Zealand
Institute of Engineers Australia
Plastics and Chemicals Industries Association
Property Council of Australia

Additional interests participating in the preparation of this Standard:

Department of Human Services (Vic)
Department of Human Services (Tas)
Institute of Plant Engineers Australasia
National Health and Medical Research Council
NSW Health Department
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This Standard was issued in draft form for comment as DR 00269.

Australian/New Zealand Standard™

Air-handling and water systems of buildings—Microbial control

Part 2: Operation and maintenance

Originated as part of AS 3666—1989.
Previous edition AS/NZS 3666.2:1995.
Second edition 2002.

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001
and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 4453 2

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-062, Ventilation and Airconditioning, to supersede AS/NZS 3666.2:1995.

This Standard forms Part 2 of a series of Standards for the microbial control of air-handling and water systems, as follows:

AS/NZS

- 3666 Air-handling and water systems of buildings — Microbial control
- 3666.1 Part 1: Design, installation and commissioning
- 3666.2 Part 2: Operation and maintenance
- 3666.3 Part 3: Performance-based maintenance of cooling water systems

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. Notes to clauses in the Standard are informative only.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**Air-handling and water systems of buildings—Microbial control**

Part 2: Operation and maintenance

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies minimum requirements for the operation and maintenance of air-handling and water systems of buildings for the purposes of microbial control. It does not include requirements for refrigerated room airconditioners and non-ducted split systems.

NOTES:

- 1 In the event of an outbreak of legionnaire's disease, special action will be necessary. This will be advised by the health authorities.
- 2 Further information on the control of microbial growth in air-handling and water systems of buildings is given in HB 32.
- 3 Design, installation and commissioning requirements are given in AS/NZS 3666.1.
- 4 AS/NZS 3666.3 provides a performance-based alternative to the prescriptive cleaning requirements of Clause 2.5 of this Standard.
- 5 Refer to regulatory authority for application of the criteria to buildings.

1.2 OBJECTIVE

The objective of this Standard is to assist users in the control of microorganisms in building systems, particularly those associated with legionnaire's disease, Pontiac fever, hypersensitivity pneumonitis and humidifier fever.

1.3 APPLICATION

This Standard is intended for use by regulatory authorities, building services designers, architects, equipment manufacturers and suppliers, installers, maintenance personnel, managers, owners, and operating staff responsible for designing, installing, commissioning, operating, and maintaining the air-handling and water systems of a building. It provides minimum requirements.

The Standard shall be read in conjunction with any additional recommendations given by suppliers of the equipment and with the requirements of any relevant specification or applicable regulation.

NOTE: This Standard has been developed for commercial building services systems. The technical content may be applied by the regulatory authority to other commercial or industrial systems and to domestic systems incorporating a cooling water system.

1.4 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1470 Heath and safety at work—Principles and practices



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