

Australian/New Zealand Standard™

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

Part 2: Operation and maintenance

STANDARDS
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AS/NZS 3666.2:2011

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Air Conditioning and Mechanical Contractors Association
Australasian Fire and Emergency Service Authorities Council
Australian Building Codes Board
Australian Institute of Refrigeration Air Conditioning and Heating
Chartered Institution of Building Services Engineers
Climate Control Companies Association
Consumer Electronics Suppliers Association
Department of Health and Human Services, Tas.
Engineers Australia
Facility Management Association of Australia
Institute of Refrigeration Heating & AirConditioning Engineers of New Zealand
NSW Health Department
Plastics and Chemicals Industries Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-062, Ventilation and Airconditioning, to supersede AS/NZS 3666.2:2002.

This Standard forms Part 2 of a series of Standards for the microbial control of air-handling and water systems of buildings, 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
- 3666.4 Part 4: Performance-based maintenance of air-handling systems (ducts and components)

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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Australian/New Zealand Standard
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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 3666.4 and AS/NZS 3666.3 provide performance-based alternatives to the prescriptive cleaning requirements of Clause 2.3 and 2.4 of this Standard.

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.

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 legislation.

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