

Australian/New Zealand Standard™

Coaxial cable and optical fibre systems for the RF distribution of digital television, radio and in-house analog television signals in single and multiple dwelling installations



AS/NZS 1367:2016

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CT-002, Broadcasting and Related Services. It was approved on behalf of the Council of Standards Australia on 7 April 2016 and by the Standards New Zealand Approval Board on 20 April 2016.
This Standard was published on 13 May 2016.

The following are represented on Committee CT-002:

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Australian Digital and Telecommunications Industry Association
Australian Industry Group
Australian Information Industry Association
Australian Subscription Television and Radio Association
CHOICE
Commercial Radio Australia
Community Broadcasting Association of Australia
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Originated as AS 1367—1976.
Jointly revised and redesignated as AS/NZS 1367:2000.
Previous edition 2007.
Fifth edition 2016.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CT-002, Broadcasting and Related Services, to supersede AS/NZS 1367:2007, *Coaxial cable and optical fibre systems for the RF distribution of analog and digital television and sound signals in single and multiple dwelling installations*.

The objective of this Standard is to provide specifications and requirements for the cabling of range of premises and buildings generally referred to in this Standard as dwellings, for distribution of analog and digital services such as free-to-air TV and radio, subscription or pay TV, or in-house video systems via radio frequency (RF) distribution. Such distributed services may include an interactive path.

A further objective of this Standard is to provide building owners, managers, architects, consultants, designers, manufacturers, installers, maintainers, service providers and users with requirements to meet user and service provider expectations, including performance criteria, for existing and foreseeable future services.

This Standard specifies the required equipment and system performance to meet safety, electromagnetic compatibility (EMC) and quality of service requirements of the end user or consumer.

This revision of AS/NZS 1367:2007 (including the renaming of the Standard) reflects the changes in free-to-air (FTA) terrestrial television broadcasts in Australia, including the cessation of analog PAL and transmission frequency reorganization (restack) to allow the implementation of mobile broadband services using the 'digital dividend'. Other advances in DVB-S, DVB-S2 and DVB-C equipment and systems are also included. The main additions and revisions are as follows:

- (a) Transmission medium and major equipment type additions:
 - (i) DVB-S2.
 - (ii) DVB-T2 (NZ).
- (b) Specification and text revisions:
 - (i) Removal of off-air reception above ch51 (694 MHz).
 - (ii) Filter requirements for LTE (mobile broadband) interference.
 - (iii) T-DAB advance to DAB+ (available in mainland capital city digital radio services).
 - (iv) Renaming of High-grade to Grade 1 and Basic-grade to Grade 2.
 - (v) Safety requirements revisions.
 - (vi) Revision of diagrams, drawings and schematics.
 - (vii) Revision of Appendix C—F-type connector advisory modifications and recommendations.
 - (viii) Glossary revision.
 - (ix) Revision of symbols.

Statements expressed in mandatory terms in notes to figures and tables are deemed to be requirements of this Standard.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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