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SA/SNZ HB 252:2014

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Handbook

Communications cabling manual

Module 3: Residential communications cabling handbook

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This Joint Australian/New Zealand Handbook was prepared by Joint Technical Committee CT-001, Communications Cabling. It was approved on behalf of the Council of Standards Australia on 24 January 2014 and on behalf of the Council of Standards New Zealand on 30 January 2014.
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The following are represented on Committee CT-001:

Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Information Industry Association
BICSI Australia
BICSI New Zealand
Electrical Trades Union
Energy Networks Association
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PREFACE

This Handbook is Module 3 of a series of Handbooks and Standards known collectively as the 'Communications Cabling Manual' (CCM). The CCM has been compiled by Standards Australia Committee CT-001, Communications Cabling, representing carriers, the Communications Alliance, the Australian Communications and Media Authority (ACMA), cable manufacturers, cablers and end-users. The basis for this Handbook was laid down by a subcommittee of CT-001.

The CCM is designed to provide essential information to the communications cabling industry and is available in five modules.

Module 1: Australian regulatory arrangements (HB 243)

Module 2: Communications cabling handbook (HB 29)

Module 3: Residential communications cabling handbook (SA/SNZ HB 252)

Module 4: Australian Regulatory Standards
(AS/CA S008 and AS/CA S009 or their replacements)

Module 5: Voluntary Standards
(e.g. AS/NZS 3080 and AS/NZS ISO/IEC 15018)

The objective of this Handbook is to supplement the information in the two Australian Regulatory Standards in Module 4 above, which are referenced by under the *Australian Telecommunications Act 1997* and the Telecommunications Cabling Provider Rules 2000; and the voluntary Standards AS/NZS ISO/IEC 15018, *Information technology—Generic cabling for homes* and IEC 61935-3, *Testing of balanced and coaxial information technology cabling,* Part 3: *Installed cabling as specified in ISO/IEC 15018 and related standards* with explanatory material, practical details and generally useful information in order to assist installers and others in the field. Guidance is also provided on how to align installations to the above standards with the requirements of AS/NZS 1367, *Coaxial cable and optical fibre systems for the RF distribution of analog and digital television and sound signals in single and multiple dwelling installations* and AS/NZS 2201.1, *Intruder alarm systems*, Part 1: *Client's premises—Design, installation, commissioning and maintenance*.

This Handbook provides guidance on the planning and installation of non-telecommunications cabling which co-exists with, and in part interfaces to, cabling which needs to comply with the Australian Regulatory Standards AS/CA S008 and AS/CA S009. Examples of such cabling [which are nevertheless covered by general Australian and New Zealand electrical regulation, as expressed in AS/NZS 3000, *Electrical installations (known as the Australian/New Zealand Wiring Rules*)] include coaxial television cabling to AS/NZS ISO/IEC 15018 and AS/NZS 1367, special purpose audio visual cabling (other than structured cabling), and home automation cabling to sensors and controlled devices beyond any telecommunications interface.

This Handbook has been developed to provide field installation personnel with a guide to applying these and other relevant standards to upgrade and retro-fit cabling on existing homes, or to cable residences being newly constructed or refurbished. It should be utilized as a field reference and planning guide. Whilst it incorporates information derived from a number of Australian/New Zealand Standards and related International Standards, it should not be regarded as a Standard itself, nor a replacement for those Standards.

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While the information contained in this Handbook is the latest available at the time of printing, users need to ensure that they consult the latest edition of any referenced Standard, amendments to the Telecommunications Act and its regulations, and use the references herein as a guide only.

This Handbook will be updated regularly and feedback from users is welcomed to assist in improving successive editions.

To receive email notification of any new or updated documentation concerning communications cabling, the reader may register with StandardsWatch at http://www.saiglobal.com/Information/Standards/StandardsWatch/

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