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Handbook

Telecommunications cabling handbook

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First published as SAA HB29—1998.

PUBLISHED BY STANDARDS AUSTRALIA
(STANDARDS ASSOCIATION OF AUSTRALIA)
1 THE CRESCENT, HOMEBUSH, NSW 2140

ISBN 0 7337 1555 9

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PREFACE

This Handbook was prepared by the Standards Australia/Standards New Zealand Committee IT/17, Integrated Cabling Systems for Buildings, as a companion to AS/NZS 3080, to meet a perceived need in the industry. It applies primarily to the telecommunications cabling of buildings for organizations that are office oriented. However, it would also be of assistance in small office/home office, industrial and commercial installations, which are covered by AS/NZS 3086.

The objective of this Handbook is to supplement the information in the above Standards with explanatory material, practical details and generally useful information in order to assist installers and others in the field. It also includes relevant extracts from the AUSTEL Technical Standard TS 009.

Where reference is made to a particular Clause of a Standard, the reference applies to the latest edition of that Standard. However, this could change if the Standard is amended or revised after the publication of this Handbook.

Mandatory terms (such as 'shall') are used where they are used in the applicable Standards.

Users of this Handbook must ensure that they consult the latest edition of any referenced Standard, and use the references herein as a guide only.

The initial draft was prepared, under contract, by MILCOM. This text was illustrated, formatted and progressed to its present form by STOWE AUSTRALIA*, who also 'roadtested' the information contained herein, to ensure that industry endorsed practices are promoted.

It is intended that this Handbook will be updated regularly and feedback from users would be welcome to assist in improving successive editions.

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* Stowe Australia Pty Ltd represents the National Electrical Contractors Association on Committee IT/17.

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INTRODUCTION

In the past, telecommunications cabling was separated into various systems, for example voice specific cabling, proprietary data and generic data systems.

Over recent times, a number of Standards on this subject have emerged. Some of these Standards provide a platform to maintain and raise the quality of telecommunications cabling while others, for example AS/NZS 3080, encourage a generic approach to the telecommunications industry, enabling a greater utilization of technology in hardware and system design.

This Cabling Handbook has been developed to provide field installation personnel with a guide that is easy to read and understand. It should be utilized as a field reference, as it incorporates information from a number of Australian/New Zealand and related Standards.

It is important to note that there are mandatory requirements (in the interest of safety and network integrity) detailed in AUSTEL, ACA or ACIF Standards. There are also voluntary Standards, (for example AS/NZS 3080) which, however could be made mandatory by their inclusion in legislation and/or contracts.

The information contained in this Handbook conforms to the current Standards at the time of preparation of this document. It is the obligation of the cabler to perform work to Standards, after having ensured their currency.

Cablers performing any telecommunications cabling work beyond the network boundary (for connection to carrier networks) shall have an appropriate licence to perform such work. (In appropriate circumstances, an unlicensed person may perform cabling work under the supervision of a licensed cabler).

This Handbook is not a Standard but a guide for assistance, particularly in the field.

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