

**COMMUNICATIONS
ALLIANCE LTD**



AUSTRALIAN STANDARD

AS/CA S043.3:2015

Requirements for Customer Equipment for
connection to a metallic local loop interface of a
Telecommunications Network —
Part 3: DC, low frequency AC and voiceband

Australian Standard – Requirements for Customer Equipment for connection to a metallic local loop interface of a Telecommunications Network — Part 3: DC, low frequency AC and voiceband

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FOREWORD

General

This Standard was prepared by Communications Alliance and most recently revised by the *WC58 : VDSL2 and Vectoring* Working Committee. It is one of a series of Telecommunication Standards developed under the Memorandum of Understanding between the Australian Communications Authority (ACA) and the Australian Communications Industry Forum.

Note: On 1 July 2005 the ACA became the Australian Communications and Media Authority (ACMA) and the Memorandum of Understanding continues in effect as if the reference to the ACA were a reference to the ACMA.

Communications Alliance was formed in 2006 and continues the functions previously fulfilled by ACIF.

This Standard is a revision of AS/ACIF S043.3:2001 ***Requirements for Customer Equipment for connection to a metallic local loop interface of a Telecommunications Network — Part 3: DC, low frequency AC and voiceband*** Standard.

This Standard is the result of a consensus among representatives on the Communications Alliance Working Committee to produce it as an Australian Standard.

The requirements in this Standard are consistent with the aims of s376 of the *Telecommunications Act 1997*. Specifically these aims are:

- (a) protecting the integrity of a telecommunications network or facility;
- (b) protecting the health and safety of persons;
- (c) ensuring access to emergency services; and
- (d) ensuring interoperability with a standard telephone service.

It should be noted that some Customer Equipment (CE) may also need to comply with requirements in other Standards or other Parts of this Standard.

AS/CA S043 consists of the following parts under the general title ***Requirements for Customer Equipment for connection to a metallic local loop interface of a Telecommunications Network***:

- Part 1: ***General***
- Part 2: ***Broadband***
- Part 3: ***DC, low frequency AC and voiceband***

The Standard should be read in conjunction with AS/CA S043.1 [6].

Applicable electrical safety Standards and EMC Standards may apply under Commonwealth or State/Territory laws, or both.

Intellectual property rights

Equipment which is manufactured to comply with this Standard may require the use of technology which is protected by patent rights in Australia. Questions

about the availability of such technology, under licence or otherwise, should be directed to the patent holder or Australian licensee (if known) or through enquiry at IP Australia which incorporates the Patent, Designs and Trade Marks and Offices. Further information can be found at www.ipaustralia.gov.au.

Standards revision

Australian Standards (AS/CA Standards) developed by the Communications Alliance are updated according to the needs of the industry, by amendments or revision. Users of these Standards should make sure that they possess the latest amendments or editions. Representations concerning the need for a change to this AS/CA Standard should be addressed to:

The Project Manager
Customer Equipment and Cable Reference Panel
Communications Alliance
PO Box 444
Milsons Point NSW 1565

Regulatory notice

This document will be submitted to ACMA, for making as a technical standard under s376 of the *Telecommunications Act 1997*. Until it is made by ACMA compliance with this Standard is voluntary.

The ACMA is a Commonwealth authority with statutory powers to impose requirements concerning telecommunications Customer Equipment and Customer Cabling.

The ACMA requires Australian manufacturers and importers, or their Australian agents, of specified items of Customer Equipment and Customer Cabling to establish compliance with Standards such as this. Items are required to be labelled in accordance with the applicable labelling notices.

Details on current compliance arrangements can be obtained from the ACMA website at <http://www.acma.gov.au> or by contacting the ACMA below at:

Australian Communications and Media Authority
PO Box 13112
Law Courts PO
Melbourne VIC 8010
Australia

Telephone: +61 3 9963 6800
Facsimile: +61 3 9963 6899
TTY: +61 3 9963 6948
Email: info@acma.gov.au

Introduction

This introduction for the AS/CA S043.3 **Requirements for Customer Equipment for connection to a metallic local loop interface of a Telecommunications Network — Part 3: DC, low frequency AC and voiceband** Standard is not an authoritative section of this Standard and is only provided as guidance for the user of the Standard to outline its objectives, and the factors that have been taken into account in its development and to list the principal differences between the new and the previous edition.

The reader is directed to the clauses of this Standard for the specific requirements and to the ACMA for the applicable telecommunications labelling and compliance arrangements.

Note: Further information on the telecommunications labelling and compliance arrangements can be found in *The Telecommunications Labelling (Customer Equipment and Customer Cabling) Notice* (the TLN). The TLN can be obtained from the ACMA website at www.acma.gov.au.

The objective of this Standard is to provide the requirements and test methods for customer equipment designed or intended for connection to a Telecommunications Network via a metallic local loop interface and is designed or intended to include one or more of the following:

- (i) DC power feeding or signalling.
- (ii) Operation in the low frequency AC band, below 300 Hz.
- (iii) Operation in the voice frequency band.
- (iv) Operation above the voice frequency band up to 20 kHz.

in order to meet the regulatory arrangements for such equipment in Australia.

The objective of this revision is to update to the current template at the same time that revisions were being made to other parts of AS/CA S043.

The principal differences between this edition of AS/CA S043.3 and the previous edition are:

- (i) Editorial updates; and
- (ii) Update to the current document template for Communications Alliance.

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