

AS/NZS 61000.4.8:2012

IEC 61000-4-8, Ed.2.0 (2009)

Reconfirmed 2023

AS/NZS 61000.4.8:2012

Australian/New Zealand Standard™

Electromagnetic compatibility (EMC)

**Part 4.8: Testing and measurement
techniques—Power frequency magnetic
field immunity test**



AS/NZS 61000.4.8:2012

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-034, Power Quality. It was approved on behalf of the Council of Standards Australia on 4 May 2012 and on behalf of the Council of Standards New Zealand on 26 April 2012.

This Standard was published on 22 May 2012.

The following are represented on Committee EL-034:

Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Information Industry Association
Bureau of Steel Manufacturers of Australia
Consumer Electronics Suppliers Association
Consumers Federation of Australia
Electrical Regulatory Authorities Council
Electricity Engineers Association, New Zealand
Energy Networks Association
Engineers Australia
Lighting Council of Australia
Ministry of Economic Development, New Zealand
National Measurement Institute
New Zealand Coordinating Committee on Power & Telecommunication Systems
New Zealand Electric Fence Energiser Manufacturers Standards WG
Telstra Corporation
University of Canterbury, New Zealand
University of Wollongong

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.saiglobal.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR AS/NZS 61000.4.8.

AS/NZS 61000.4.8:2012 (Reconfirmed) 2023-08-23

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION
OF
AS/NZS 61000.4.8:2012
Electromagnetic compatibility (EMC)
Part 4.8: Testing and measurement techniques—Power frequency magnetic field
immunity test

RECONFIRMATION NOTICE

Technical Committee EL-034 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 12 July 2022.

Approved for reconfirmation in New Zealand on behalf of the New Zealand Standards Approval Board on 22 August 2023.

The following are represented on Technical Committee EL-034:

Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Information Industry Association
Bureau of Steel Manufacturers of Australia Limited
Consumer Electronics Suppliers Association
Consumers Federation of Australia
Electrical Regulatory Authorities Council, Australia
Electricity Engineers Association of New Zealand Inc
Energy Networks Australia
Engineers Australia
Lighting Council Australia
National Measurement Institute
New Zealand Coordinating Committee on Power & Telecommunication Systems
University of Canterbury New Zealand
University of Wollongong

AS/NZS 61000.4.8:2012

Australian/New Zealand Standard™

Electromagnetic compatibility (EMC)

Part 4.8: Testing and measurement techniques—Power frequency magnetic field immunity test

Originated as AS/NZS 61000.4.8:2002.
Second edition 2012.

COPYRIGHT

© Standards Australia Limited/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140

ISBN 978 1 74342 111 6

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-034, Power Quality, to supersede AS/NZS 61000.4.8:2002, *Electromagnetic compatibility (EMC)—Part 4.8: Testing and measurement techniques—Power frequency magnetic field immunity test*.

The objective of this Standard is to determine the immunity requirements of equipment, only under operational conditions, to magnetic disturbances at power frequency related to residential and commercial locations, industrial installations and power plants, and medium voltage and high voltage sub-stations.

This Standard is identical with, and has been reproduced from IEC 61000-4-8, Ed.2.0 (2009), *Electromagnetic compatibility (EMC)—Part 4-8: Testing and measurement techniques—Power frequency magnetic field immunity test*.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text ‘this part of IEC 61000’ should read ‘this part of AS/NZS 61000’.
- (c) A full point substitutes for a comma when referring to a decimal marker.

None of the normative references in the source document have been adopted as Australian or Australian/New Zealand Standards.

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

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-