

AS 61508.2—2011

IEC 61508-2 Ed.2.0 (2010)

Reconfirmed 2023

AS 61508.2—2011

Australian Standard[®]

**Functional safety of
electrical/electronic/programmable
electronic safety-related systems**

**Part 2: Requirements for
electrical/electronic/programmable
electronic safety-related systems**



This Australian Standard® was prepared by Committee IT-006, Industrial Process Measurement, Control and Automation. It was approved on behalf of the Council of Standards Australia on 10 March 2011.
This Standard was published on 28 March 2011.

The following are represented on Committee IT-006:

- Australia Safety Critical Systems Association
 - Australian Computer Society
 - Australian Petroleum Production and Exploration Association
 - Consult Australia
 - Consumers Federation of Australia
 - Engineers Australia
 - Institute of Chemical Engineers Australia
 - Institute of Instrumentation, Control and Automation Australia
 - Process Control Society
 - The University of Queensland
 - Workplace Health and Safety Queensland
 - WorkSafe Victoria
-

This Standard was issued in draft form for comment as DR AS 61508.2.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that 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Standards may also be withdrawn.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 that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting **www.standards.org.au**

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at **mail@standards.org.au**, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

AS 61508.2—2011 (Reconfirmed) 2023-11-17

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 61508.2—2011

Functional safety of electrical/electronic/programmable electronic safety-related systems

Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems

RECONFIRMATION NOTICE

Technical Committee IT-006 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 25 October 2023.

The following are represented on Technical Committee IT-006:

Australian Computer Society Inc
Australian Industry Group
Australian Petroleum Production and Exploration Association
Australia Safety Critical Systems Association
Consult Australia
Engineers Australia
Institute of Instrumentation, Control & Automation Aust Inc
Institution of Chemical Engineers
ISACA Sydney
Workplace Health and Safety Queensland

AS 61508.2—2011

Australian Standard[®]

**Functional safety of
electrical/electronic/programmable
electronic safety-related systems**

**Part 2: Requirements for
electrical/electronic/programmable
electronic safety-related systems**

Originated as AS 61508.2—2001.
Second edition 2011.

COPYRIGHT

© Standards Australia Limited

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.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 0 7337 9797 2

PREFACE

This Standard was prepared by the Standards Australia Committee IT-006, Industrial Process Measurement, Control and Automation, to supersede AS 61508.2—2001.

The objective of this revision is to adopt the current edition of IEC 61508-2.

This Standard is identical with, and has been reproduced from IEC 61508-2 Ed.2.0 (2010), *Functional safety of electrical/electronic/programmable electronic safety-related systems—Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems*.

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 ‘part of the IEC 61508 series’ should read ‘this Australian Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
IEC		AS	
60947	Low-voltage switchgear and control gear	60947	Low-voltage switchgear and control gear
60947-5-1	Part 5-1: Control circuit devices and switching elements— Electromechanical control circuit devices	60947.5.1	Part 5.1: Control circuit devices and switching elements— Electromechanical control circuit devices
61508	Functional safety of electrical/electronic/programmable electronic safety-related systems	61508	Functional safety of electrical/electronic/programmable electronic safety-related systems
61508-1	Part 1: General requirements	61508.1	Part 1: General requirements
61508-3	Part 3: Software requirements	61508.3	Part 3: Software requirements
61508-4	Part 4: Definitions and abbreviations	61508.4	Part 4: Definitions and abbreviations
61508-7	Part 7: Overview of techniques and measures	61508.7	Part 7: Overview of techniques and measures

Only international references that have been adopted as Australian Standards have been listed.

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
-