AS 61508.5—2011
IEC 61508-5 Ed.2.0 (2010)
Reconfirmed 2023

Australian Standard®

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

Part 5: Examples of methods for the determination of safety integrity levels

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.
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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 61508.5.

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.

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RECONFIRMATION

OF

AS 61508.5—2011

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

Part 5: Examples of methods for the determination of safety integrity levels

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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.

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 25 October 2023.

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PREFACE

This Standard was prepared by the Standards Australia Committee IT-006, Industrial Process Measurement, Control and Automation, to supersede AS 61508.5—1999.

The objective of this revision is to adopt the current edition of IEC 61508-5.

This Standard is identical with, and has been reproduced from IEC 61508-5 Ed.2.0 (2010), *Functional safety of electrical/electronic/programmable electronic safety-related systems—Part 5*: *Examples of methods for the determination of safety integrity levels.*

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.

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

Reference to International Standard		*Australian Standard*	
IEC		AS	
61508	Functional safety of electronic/electronic/programmable electronic safety-related systems	61508	Functional safety of electronic/electronic/programmable electronic safety-related systems
61508-1	Part 1: General requirements	61508.1	Part 1: General requirements
61508-4	Part 4: Definitions and abbreviations	61508.4	Part 4: Definitions and abbreviations

The term 'informative' has been used in this Standard to define the application of the annex to which it applies. An 'informative' annex is only for information and guidance.