Australian Standard®

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

Part 1: General requirements



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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- 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 61508.1.

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 61508.1—2011

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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 61508.1—1999.

The objective of this revision is to adopt the current edition of IEC 61508-1.

This Standard is identical with, and has been reproduced from IEC 61508-1 Ed.2.0 (2010), Functional safety of electrical/electronic/programmable electronic safety-related systems—Part 1: General requirements.

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

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Reference to International Standard		Australian Standard		
IEC		AS		
61508	Functional safety of electrical/electronic/programmable electronic safety-related systems	61508	Functional safety of electrical/ electronic/programmable electronic safety-related systems	
61508-2	Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems	61508.2	Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems	
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	
Guide 104	The preparation of safety publications and the use of basic safety publications and group safety publications	_		
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