AS 61508 Supplement 1—2012

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

Supplement 1: Commented version

(Supplement 1 to AS 61508 series)



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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Supplement through their representation on the Committee.

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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 61508 Supp1—2012

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PREFACE

This Supplement was prepared by the Standards Australia Committee IT-006, Industrial Process Measurement, Control and Automation.

This Supplement is identical with and has been reproduced from S+ IEC 61508 Commented Version—Functional safety of electrical/electronic/programmable electronic safety-related systems as a supplement to the AS 61508 series.

The AS 61508 series comprises:

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61508	Functional safety of electrical/electronic/programmable electronic safety-related systems
61508.1	Part 1: General requirements
61508.2	Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems
61508 3	Part 3: Software requirements
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	Part 4: Definitions and abbreviations
61508.5	Part 5: Examples of methods for the determination of safety integrity
	levels
61508.6	Part 6: Guidelines on the application of AS 61508.2 and AS 61508.3
61508.7	Part 7: Overview of techniques and measures

The IEC 61508 Commented Version is a marked-up and commented single-file PDF version of IEC 61508 Parts 1 to 7; complete with bookmarks, links and cross-references; and enriched with:

- track changes in red, highlighting all the changes made to the technical content of Edition 1.0:
- hundreds of comments by a leading expert in Functional Safety, indicated by a yellow-background number. Mousing over a number will display a pop-up note with a comment;
- figures associated with comments, indicated by a green paperclip; and
- a summary of comments and attachments, provided at the end of the file.

The single-file PDF Commented Version is enabled for user commenting and reviewing.

A separately published document AS 61508.0—2006, Functional safety of electrical/electronic/programmable electronic safety-related systems, Part 0: Functional safety and AS 61508, (adopted from IEC/TR 61508-0:2005) introduces the concept of functional safety and gives an overview of the AS 61508 series of standards. You should read AS 61508.0—2006 if you—

- wish to know whether AS 61508 applies to you;
- are involved in the development of electrical, electronic or programmable; electronic systems which may have safety implications; or
- are drafting any other standard where functional safety is a relevant factor.



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