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Australian Standard™

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

Part 1: General requirements

This Australian Standard was prepared by Committee IT/6, Information Technology for Industrial Automation and Integration. It was approved on behalf of the Council of Standards Australia on 14 July 1999 and published on 5 August 1999.

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Australian Electrical and Electronic Manufacturers Association

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PREFACE

This Standard was prepared by the Standards Australia Committee IT/6, Information Technology for Industrial Automation and Integration. This Standard is identical with and has been reproduced from IEC 61508-1:1998, *Functional safety of electrical/electronic/ programmable electronic safety-related systems*, Part 1: *General requirements*.

The objective of this Standard is to provide designers of electrical/electronic/programmable electronic devices used in safety-related applications with the general requirements for a generic approach for all safety lifecycle activities.

A reference to an International Standard identified in the normative references clause (Clause 2) by strikethrough (~~example~~) is replaced by a reference to the Australian Standard listed immediately thereafter and identified by shading (example). Where the struck-through referenced document and the referenced Australian Standard are identical, this is indicated in parenthesis after the title of the latter.

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

(a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(b) In the source text 'this part of IEC 61508' should read 'this Australian Standard', and 'this International Standard' should read 'this series of Standards'.

(c) A full point should be substituted for a comma when referring to a decimal marker.

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