

Australian Standard™

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

**Part 7: Overview of techniques and
measures**

This Australian Standard was prepared by Committee IT-006, Information Technology for Industrial Automation and Integration. It was approved on behalf of the Council of Standards Australia on 18 April 2001 and published on 19 June 2001.

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Australian Electrical and Electronic Manufacturers Association
CSIRO Centre for Planning and Design
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PREFACE

This Standard was prepared by the Standards Australia Committee IT-006, Information Technology for Industrial Automation and Integration.

The objective of this Standard is to provide designers of safety lifecycle activities in systems comprised of electrical/electronic/programmable electronic devices with an overview of various safety techniques and measures as outlined in Part 2 and in Part 3 of this Standard.

This Standard is identical with and has been reproduced from IEC 61508-7:2000, *Functional safety of electrical/electronic/programmable electronic safety-related systems—Part 7: Overview of techniques and measures*.

A reference to an International Standard identified in the Normative References Clause by strikethrough (~~example~~) is replaced by a reference to the Australian or Australian/New Zealand Standard(s) listed immediately thereafter and identified by shading (example). Where the struck-through referenced document and the referenced Australian or Australian/New Zealand Standard are identical, this is indicated in parenthesis after the title of the latter.

In this Standard, the following print types are used:

- requirements proper: in arial type;
- *test specifications: in italic type;*
- explanatory matter: in smaller arial type.

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- (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 standard' should read 'this Australian Standard'.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

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.

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