

Australian Standard™

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

**Part 6: Guidelines on the application of
AS 61508.2 and AS 61508.3**

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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AS 61508.6—2001

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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 guidelines on the applications, calculations and methodologies as outlined in Part 2 and in Part 3 of this Standard.

This Standard is identical with and has been reproduced from IEC 61508-6:2000, *Functional safety of electrical/electronic/programmable electronic safety-related systems—Part 6: Guidelines on the application of IEC 61508-2 and IEC 61508-3*.

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.

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- 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.
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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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