AS 61508.3—1999
IEC 61508-3:1998

Australian Standard™

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

Part 3: Software requirements

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

The following interests are represented on Committee IT/6:

Australian Association of Consulting Engineers

Australian Electrical and Electronic Manufacturers Association

Australian Information Industry Association

CSIRO Centre for Planning and Design

CSIRO Manufacturing Science and Technology

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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 61508-3:1998, *Functional safety of electrical/electronic/ programmable electronic safety-related systems,* Part 3: *Software requirements*.

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

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 Standards 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.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the annex to which they apply. A normative annex is an integral part of a Standard, whereas an informative annex is only for information and guidance.

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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