

Australian Standard™

**Functional safety—Safety instrumented
systems for the process industry sector**

**Part 2: Guidelines for the application of
AS IEC 61511.1**

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 5 March 2004 and published on 10 May 2004.

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PREFACE

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

This Standard is identical with, and has been reproduced from IEC 61511-2:2003, *Functional safety—Safety instrumented systems for the process industry sector—Part 2: Guidelines for the application of IEC 61511-1*.

The objective of this Standard is to provide guidance on the specification, design, installation, operation and maintenance of Safety Instrumented Functions and related safety instrumented systems as defined in IEC 61511-1.

This Standard is Part 2 of AS IEC 61511—2004, *Functional safety—Safety instrumented systems for the process industry sector*, which is published in parts as follows:

Part 1: Framework, definitions, system, hardware and software requirements

Part 2: Guidelines for the application of AS IEC 61511-1 (this Standard)

Part 3: Guidance for the determination of the required safety integrity levels

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