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Australian Standard[™]

Functional safety—Safety instrumented systems for the process industry sector

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



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 61511-3:2003, Functional safety—Safety instrumented systems for the process industry sector—Part 3: Guidance for the determination of the required safety integrity levels.

The objective of this Standard is to provide underlying concepts of risk, the relationship of risk to safety integrity, the determination of tolerable risk and a number of different methods that enable the safety integrity levels for the safety instrumented functions to be determined.

This Standard is Part 3 of AS IEC 61511, 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

Part 3: Guidance for the determination of the required safety integrity levels (this standard)

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