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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

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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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