AS IEC 61511.3:2018 IEC 61511-3:2016



Functional Safety—Safety instrumented systems for the process industry sector

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



AS IEC 61511.3:2018

This Australian Standard [®] was prepared by IT-006, Industrial Process Measurement, Control and Automation. It was approved on behalf of the Council of Standards Australia on 4 October 2018.

This Standard was published on 2 November 2018.

The following are represented on Committee IT-006: Australian Computer Society Australian Industry Group Australian Petroleum Production and Exploration Association Consult Australia Institute of Instrumentation, Control and Automation, Australia Institution of Chemical Engineers ISACA Process Control Society, Engineers Australia Workplace Health and Safety Queensland

This Standard was issued in draft form for comment as DR AS IEC 61511.3:2018.

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Originated as AS IEC 61511.3—2004. Second edition 2018.

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Preface

This Standard was prepared by the Standards Australia Committee IT-006, Industrial Process Measurement, Control and Automation, to supersede AS IEC 61511.3—2004.

The objective of this Standard is to provide information on-

(a) the underlying concepts of risk and the relationship of risk to safety integrity (see Clause A.4);

(b) the determination of tolerable risk (see Annex K);

(c) a number of different methods that enable the safety integrity level (SIL) for the safety instrumented functions (SIF) to be determined (see Annexes B through K); and

(d) the impact of multiple safety systems on calculations determining the ability to achieve the desired risk reduction (see Annex J).

This Standard is identical with, and has been reproduced from, IEC 61511-3:2016, *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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