



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:

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

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ISBN 978 1 76072 204 3



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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).

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