



Functional safety—Safety instrumented systems for the process industry sector

Part 1: Framework, definitions, system, hardware and application programming requirements



AS IEC 61511.1:2018

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 26 September 2018.

This Standard was published on 30 October 2018.

The following are represented on Committee IT-006:

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This Standard was issued in draft form for comment as DR AS IEC 61511.1:2018.

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ISBN 978 1 76072 202 9



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Originated as AS IEC 61511.1—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 61511.1—2004.

The objective of this Standard is to specify requirements for the specification, design, installation, operation and maintenance of a safety instrumented system (SIS), so that it can be used to achieve or maintain a safe state of the process. AS IEC 61511.1 has been developed as a process sector implementation of the AS IEC 61508 series.

This Standard is identical with, and has been reproduced from, IEC 61511-1:2016, *Functional safety—Safety instrumented systems for the process industry sector—Part 1: Framework, definitions, system, hardware and application programming requirements* and its Amendment No. 1 (2017), which has been added at the end of the source text.

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