

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

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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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