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Funktionssikkerhed – Sikkerhedssystemer til procesindustriektoren – Del 1: Rammer, definitioner, system, hardware- og softwarekrav

Functional safety – Safety instrumented systems for the process industry sector – Normative (uon) – Part 1: Framework, definitions, system, hardware and software requirements

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IDT med: EN 61511-1:2017/A1:2017

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EUROPÄISCHE NORM

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English Version

Functional safety - Safety instrumented systems for the process industry sector - Normative (uon) - Part 1: Framework, definitions, system, hardware and software requirements (IEC 61511-1:2016/A1:2017)

Sécurité fonctionnelle - Systèmes instrumentés de sécurité pour le secteur des industries de transformation - Partie 1: Cadre, définitions, exigences pour le système, le matériel et la programmation d'application (IEC 61511-1:2016/A1:2017)

Funktionale Sicherheit - PLT-Sicherheitseinrichtungen für die Prozessindustrie - Teil 1: Allgemeines, Begriffe, Anforderungen an Systeme, Hardware und Anwendungsprogrammierung (IEC 61511-1:2016/A1:2017)

This amendment A1 modifies the European Standard EN 61511-1:2017; it was approved by CENELEC on 2017-09-20. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 65A/777/FDIS, future edition 1 of IEC 61511-1:2016/A1:2017, prepared by IEC/SC 65A "System aspects", of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61511-1:2017/A1:2017.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-06-20
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2020-09-20

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61511-1:2016/A1:2017 was approved by CENELEC as a European Standard without any modification.

Replace the following references in the Bibliography of EN 61511-1:2017:

IEC 61511-2:2016	NOTE	Harmonized as EN 61511-2:2017.
IEC 61511-3:2016	NOTE	Harmonized as EN 61511-3:2017.

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INTERNATIONAL STANDARD

AMENDMENT 1

**Functional safety – Safety instrumented systems for the process industry sector –
Part 1: Framework, definitions, system, hardware and application programming requirements**



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FOREWORD

This amendment has been prepared by subcommittee 65A: System aspects, of IEC technical committee 65: Industrial-process measurement, control and automation.

The text of this amendment is based on the following documents:

FDIS	Report on voting
65A/844/FDIS	65A/848/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.
