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English Version

**Functional safety - Safety instrumented systems for the process  
industry sector - Part 0: Functional safety for the process  
industry and IEC 61511  
(IEC/TR 61511-0:2018)**

Sécurité fonctionnelle - Systèmes instrumentés de sécurité  
pour le secteur des industries de transformation - Partie 0:  
Sécurité fonctionnelle relative aux industries de  
transformation et IEC 61511  
(IEC/TR 61511-0:2018)

Funktionale Sicherheit - PLT-Sicherheitseinrichtungen für  
die Prozessindustrie - Teil 0: Funktionale Sicherheit für die  
Prozessindustrie und IEC 61511  
(IEC/TR 61511-0:2018)

This Technical Report was approved by CENELEC on 2019-07-01.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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**

This document (CLC IEC/TR 61511-0:2019) consists of the text of IEC/TR 61511-0:2018 prepared by IEC/SC 65A "System aspects", of IEC technical committee 65 "Industrial-process measurement, control and automation".

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## **Endorsement notice**

The text of the International Standard IEC/TR 61511-0:2018 was approved by CENELEC as a European Standard without any modification.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61511-1	2016	Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and application programming requirements	EN 61511-1	2017
IEC 61511-2	2016	Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of IEC 61511-1:2016	EN 61511-2	2017
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	EN 61511-3	2017

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**FUNCTIONAL SAFETY –  
SAFETY INSTRUMENTED SYSTEMS  
FOR THE PROCESS INDUSTRY SECTOR –****Part 0: Functional safety for the process industry and IEC 61511**

## FOREWORD

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IEC TR 61511-0, which is a technical report, has been prepared by subcommittee 65A: System aspects, of IEC technical committee 65: Industrial-process measurement, control and automation.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
65A/847/DTR	65A/852/RVDTR

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 61511 series, published under the general title *Functional safety – safety instrumented systems for the process industry sector*, can be found on the IEC website.

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

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

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