



SLOVENSKI STANDARD

oSIST prEN IEC 62859:2020

01-junij-2020

Jedrske elektrarne - Merilna in nadzorna oprema - Zahteve za usklajevanje varnosti in kibernetike varnosti (IEC 62859:2016+A1:2019)

Nuclear power plants - Instrumentation and control systems - Requirements for coordinating safety and cybersecurity (IEC 62859:2016+A1:2019)

Centrales nucléaires de puissance - Systèmes d'instrumentation et de contrôle-commande - Exigences pour coordonner sûreté et cybersécurité (IEC 62859:2016+A1:2019)

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ICS:

27.120.20 Jedrske elektrarne. Varnost Nuclear power plants. Safety

oSIST prEN IEC 62859:2020

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN IEC 62859

March 2020

ICS

English Version

**Nuclear power plants - Instrumentation and control systems -
Requirements for coordinating safety and cybersecurity
(IEC 62859:2016 + A1:2019)**

Centrales nucléaires de puissance - Systèmes
d'instrumentation et de contrôle-commande - Exigences
pour coordonner sûreté et cybersécurité
(IEC 62859:2016 + A1:2019)

To be completed
(IEC 62859:2016 + A1:2019)

This draft European Standard is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2020-05-29.

The text of this draft consists of the text of IEC 62859:2016 + A1:2019.

If this draft becomes a European Standard, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CENELEC 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.

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.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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 (prEN IEC 62859:2020) consists of the text of document IEC 62859:2016, prepared by IEC/TC 45 "Nuclear instrumentation".

This document is currently submitted to the CENELEC Enquiry.

The following dates are proposed:

- latest date by which the existence of this document (doa) dor + 6 months
has to be announced at national level
- latest date by which this document has to be (dop) dor + 12 months
implemented at national level by publication of an
identical national standard or by endorsement
- latest date by which the national standards (dow) dor + 36 months
conflicting with this document have to be withdrawn (to be confirmed or
modified when voting)

As stated in the nuclear safety directive 2009/71/EURATOM, Chapter 1, Article 2, item 2, Member States are not prevented from taking more stringent safety measures in the subject-matter covered by the Directive, in compliance with Community law. In a similar manner, this European standard does not prevent Member States from taking more stringent nuclear safety and security measures in the subject-matter covered by this standard.

Bibliography

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61508-1	NOTE Harmonized as EN 61508-1 (not modified).
IEC 61508-2	NOTE Harmonized as EN 61508-2 (not modified).
IEC 61508-3	NOTE Harmonized as EN 61508-3 (not modified).
IEC 61508-4	NOTE Harmonized as EN 61508-4 (not modified).

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 When 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60709	2004	Nuclear power plants - Instrumentation and control systems important to safety - Separation	EN 60709	2010
IEC 60880	2006	Nuclear power plants - Instrumentation and control systems important to safety - Software aspects for computer-based systems performing category A functions	EN 60880	2009
IEC 61500	2009	Nuclear power plants - Instrumentation and control important to safety - Data communication in systems performing category A functions	EN 61500	2011
IEC 61513	2011	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems	EN 61513	2013
IEC 62138	2004	Nuclear power plants - Instrumentation and control important for safety - Software aspects for computer-based systems performing category B or C functions	EN 62138	2009
IEC 62340	-	Nuclear power plants - Instrumentation and control systems important to safety - Requirements for coping with common cause failure (CCF)	EN 62340	-
IEC 62566	2012	Nuclear power plants - Instrumentation and control important to safety - Development of HDL-programmed integrated circuits for systems performing category A functions	EN 62566	2014
IEC 62645	2014	Nuclear power plants – Instrumentation and control systems – Requirements for security programmes for computer-based systems		

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Nuclear power plants – Instrumentation and control systems – Requirements for coordinating safety and cybersecurity

Centrales nucléaires de puissance – Systèmes d'instrumentation et de contrôle-commande – Exigences pour coordonner sûreté et cybersécurité

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

NUCLEAR POWER PLANTS – INSTRUMENTATION AND CONTROL SYSTEMS – REQUIREMENTS FOR COORDINATING SAFETY AND CYBERSECURITY

FOREWORD

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International Standard IEC 62859 has been prepared by subcommittee 45A: Instrumentation, control and electrical systems of nuclear facilities, of IEC technical committee 45: Nuclear instrumentation.

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

FDIS	Report on voting
45A/1104/FDIS	45A/1118/RVD

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

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

The committee has decided that the contents of this 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
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