SLOVENSKI STANDARD
SIST EN 62808:2016/A1:2019

01-september-2019

Jedrske elektrarne - Merilna in nadzorna oprema za zagotavljanje varnosti - Projektiranje in razvrščanje izolacijskih naprav - Dopolnilo A1 (IEC 62808:2015/A1:2018)

Nuclear power plants - Instrumentation and control systems important to safety - Design and qualification of isolation devices (IEC 62808:2015/A1:2018)

Kernkraftwerke - Leittechnik mit sicherheitstechnischer Bedeutung - Auslegung und Qualifizierung von Isolationseinrichtungen (IEC 62808:2015/A1:2018)

Centrales nucléaires de puissance - Systèmes d'instrumentation et de contrôle-commande importants pour la sûreté - Conception et qualification des appareils d'isolement (IEC 62808:2015/A1:2018)

Ta slovenski standard je istoveten z: **EN 62808:2016/A1:2019**

ICS:

27.120.20	Jedrske elektrarne. Varnost	Nuclear power plants. Safety

SIST EN 62808:2016/A1:2019 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Nuclear power plants - Instrumentation and control systems important to safety - Design and qualification of isolation devices (IEC 62808:2015/A1:2018)

Centrales nucléaires de puissance - Systèmes d'instrumentation et de contrôle-commande importants pour la sûreté - Conception et qualification des appareils d'isolement
(IEC 62808:2015/A1:2018)

Kernkraftwerke - Leittechnik mit sicherheitstechnischer Bedeutung - Auslegung und Qualifizierung von Isolationseinrichtungen
(IEC 62808:2015/A1:2018)

This amendment A1 modifies the European Standard EN 62808:2016; it was approved by CENELEC on 2019-06-17. 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.

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 (EN 62808:2016/A1:2019) consists of the text of IEC 62808:2015/A1:2018 prepared by IEC/SC 45A: "Instrumentation, control and electrical power systems of nuclear facilities", of IEC/TC 45: "Nuclear instrumentation".

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) 2020-06-17
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2022-06-17

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/or security measures in the subject-matter covered by this standard.

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 62808:2015/A1:2018 was approved by CENELEC as a European Standard without any modification.

IEC 62808

Edition 1.0 2018-05

INTERNATIONAL STANDARD

AMENDMENT 1

Nuclear power plants – Instrumentation and control systems important to safety – Design and qualification of isolation devices

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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FOREWORD

This amendment has been prepared by subcommittee 45A: Instrumentation, control and electrical power systems of nuclear facilities, of IEC technical committee 45: Nuclear instrumentation.

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

FDIS	Report on voting
45A/1192/FDIS	45A/1204/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.

6.3.2 Circuit breaker tripped by fault currents

Delete item c).

6.3.4 Input current limiters

Replace the existing text by the following new text:

Devices that will limit the input current to an acceptable value under faulted conditions of the output are considered isolation devices. Devices in this category may include inverters, regulating transformers, battery chargers, uninterruptible power supply, etc., with current limiting characteristics. It shall be verified periodically that the current-limiting characteristics have not been compromised or lost. This periodic verification should be done with a test, or an alternative means to demonstrate operability.

The alternative means of demonstration may include tests performed within the uninterruptible power supply which check internal protection clearing time, or preventive replacement of protection devices within a specified maintenance interval.