

Centrales nucleares. Instrumentación y sistemas de control importantes para la seguridad. Aspectos lógicos (software) de los sistemas informáticos que realizan funciones de categoría B o C. (Ratificada por la Asociación Española de Normalización en noviembre de 2019.)

UNE-EN IEC 62138:2019

Centrales nucleares. Instrumentación y sistemas de control importantes para la seguridad. Aspectos lógicos (software) de los sistemas informáticos que realizan funciones de categoría B o C. (Ratificada por la Asociación Española de Normalización en noviembre de 2019.)

Nuclear power plants - Instrumentation and control systems important to safety - Software aspects for computer-based systems performing category B or C functions (Endorsed by Asociación Española de Normalización in November of 2019.)

Centrales nucléaires de puissance - Systèmes d'instrumentation et de contrôle-commande importants pour la sûreté - Aspects logiciels des systèmes informatisés réalisant des fonctions de catégorie B ou C (Entérinée par l'Asociación Española de Normalización en novembre 2019.)

En cumplimiento del punto 11.2.5.4 de las Reglas Internas de CEN/CENELEC Parte 2, se ha otorgado el rango de documento normativo español UNE al documento normativo europeo EN IEC 62138:2019 (Fecha de disponibilidad 2019-09-27)

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Las observaciones a este documento han de dirigirse a:

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EUROPEAN STANDARD

EN IEC 62138

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2019

ICS 27.120.20

Supersedes EN 62138:2009 and all of its amendments
and corrigenda (if any)

English Version

**Nuclear power plants - Instrumentation and control systems
important to safety - Software aspects for computer-based
systems performing category B or C functions
(IEC 62138:2018)**

Centrales nucléaires de puissance - Systèmes
d'instrumentation et de contrôle-commande importants pour
la sûreté - Aspects logiciels des systèmes informatisés
réalisant des fonctions de catégorie B ou C
(IEC 62138:2018)

Kernkraftwerke - Leitechnische Systeme mit
sicherheitstechnischer Bedeutung - Softwareaspekte für
rechnerbasierte Systeme zur Realisierung von Funktionen
der Kategorien B oder C
(IEC 62138:2018)

This European Standard was approved by CENELEC on 2019-09-09. 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.

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 European Standard 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

This document (EN IEC 62138:2019) consists of the text of IEC 62138:2018 prepared by 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 (dop) 2020-09-09 implemented at national level by publication of an identical national standard or by endorsement
- latest date by which the national standards (dow) 2022-09-09 conflicting with this document have to be withdrawn

This document supersedes EN 62138:2009 and all of its amendments and corrigenda (if any).

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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.

Endorsement notice

The text of the International Standard IEC 62138:2018 was approved by CENELEC as a European Standard without any modification.

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

IEC 61508-3:2010	NOTE Harmonized as EN 61508-3:2010 (not modified)
IEC 61508-4:2010	NOTE Harmonized as EN 61508-3:2010 (not modified)
IEC 61511-1:2016	NOTE Harmonized as EN 61511-1:2016 (not modified)
ISO 9001:2015	NOTE Harmonized as EN ISO 9001:2015 (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 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 61226	-	Nuclear power plants - Instrumentation and control important to safety - Classification of instrumentation and control functions	EN 61226	-
IEC 61513	2011	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems	EN 61513	2013
IEC 62671	2013	Nuclear power plants - Instrumentation and control important to safety - Selection and use of industrial digital devices of limited functionality	-	-