

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Nuclear power plants – Instrumentation, control and electrical power systems important to safety – Categorization of functions and classification of systems**

**Centrales nucléaires de puissance – Systèmes d'instrumentation, de contrôle-commande et d'alimentation électrique importants pour la sûreté – Catégorisation des fonctions et classement des systèmes**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**NUCLEAR POWER PLANTS – INSTRUMENTATION, CONTROL  
AND ELECTRICAL POWER SYSTEMS IMPORTANT TO SAFETY –  
CATEGORIZATION OF FUNCTIONS AND CLASSIFICATION OF SYSTEMS****FOREWORD**

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International Standard IEC 61226 has been prepared by subcommittee 45A: Instrumentation, control and electrical power systems of nuclear facilities, of IEC technical committee 45: Nuclear instrumentation.

This fourth edition cancels and replaces the third edition published in 2009. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) to align on IAEA requirements, recommendations and terminology, particularly to take into account the replacement of NS-R-1 by SSR 2/1 and publication of SSG 30;
- b) to extend the scope to electrical power systems;
- c) to move the detailed requirements applying to functions and I&C systems to a normative annex, which will be removed after updating IEC 61513.

The text of this International Standard is based on the following documents:

| FDIS          | Report on voting |
|---------------|------------------|
| 45A/1301/FDIS | 45A/1306/RVD     |

Full information on the voting for the approval of this International Standard 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.

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