

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Nuclear power plants – Control rooms – Supplementary control room for reactor shutdown without access to the main control room**

**Centrales nucléaires de puissance – Salles de commande – Salle de commande supplémentaire pour l'arrêt des réacteurs sans accès à la salle de commande principale**





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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**NUCLEAR POWER PLANTS – CONTROL ROOMS –  
SUPPLEMENTARY CONTROL ROOM FOR REACTOR SHUTDOWN  
WITHOUT ACCESS TO THE MAIN CONTROL ROOM**

## FOREWORD

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International Standard IEC 60965 has been prepared by subcommittee 45A: Instrumentation, control and electrical systems of nuclear facilities, of IEC technical committee 45: Nuclear instrumentation.

This third edition cancels and replaces the second 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) requirements associated with regular testing of the supplementary control room (SCR);
- b) requirements to assess the time available during which the reactor will be safe but unattended, in order to move from the main control room (MCR) to the SCR and for the SCR to become operational;
- c) reference to SSR-2/1 which includes the following new requirements:

- 1) the SCR should be functionally (as well as physically and electrically) separate from the MCR,
- 2) consideration shall be given to the provision of shielding against radioactivity on the access paths to the SCR;
- d) reference to DS431, the revision of NS-G-1.3, including the following new requirements:
  - 1) to implement at least two diverse methods for communication with a set of predefined locations,
  - 2) to implement features to support monitoring of trends in key plant parameters;
- e) requirements for the role, functional capability and robustness of the SCR in design extension conditions;

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

| FDIS          | Report on voting |
|---------------|------------------|
| 45A/1060/FDIS | 45A/1078/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

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