

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

**Nuclear power plants – Instrumentation and control important to safety –
Hardware design requirements for computer-based systems**

**Centrales nucléaires de puissance – Instrumentation et contrôle-commande
importants pour la sûreté – Exigences applicables à la conception du matériel
des systèmes informatisés**



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FOREWORD

This amendment has been prepared by subcommittee 45A: Instrumentation and control 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/897/FDIS	45A/906/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 web site 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- withdrawn,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.

2 Normative references

Add the following standards:

IEC 62671, *Nuclear power plants – Instrumentation and control important to safety – Selection and use of industrial digital devices of limited functionality*

ISO 2768-1, *General tolerances – Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

ISO 2768-2, *General tolerances – Part 2: Geometrical tolerances for features without individual tolerance indications*

ISO 3951-1, *Sampling procedures for inspection by variables – Part 1: Specification for single sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection for a single quality characteristic and a single AQL*

ISO 3951-2, *Sampling procedures for inspection by variables – Part 2: General specification for single sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection of independent quality characteristics*

9 Manufacturing

Replace the existing text with the following new text:

9.1 Quality assurance

9.1.1 Manufacturing may be one phase of the overall safety life cycle (see 4.1 and 4.2).