



DPC: 24 / 30505070 DC

BSI Group Headquarters

389 Chiswick High Road London W4 4AL

Tel: +44 (0)20 8996 9000

Fax: +44 (0)20 8996 7400

www.bsigroup.com

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Responsible committee: NCE/8 Instrumentation, Control & Electrical Systems of Nuclear Facilities

Interested committees:

Title: BS EN IEC 61250 Nuclear reactors - Instrumentation and control systems important for safety - Detection of leakage in coolant systems

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

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- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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Responsible Committee Secretary: **Mr Andranik Ohanian (BSI)**

Direct tel:

E-mail: andranik.ohanian@bsigroup.com

Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



45A/1573/CD

COMMITTEE DRAFT (CD)

PROJECT NUMBER:

IEC 61250 ED2

DATE OF CIRCULATION:

2024-11-15

CLOSING DATE FOR COMMENTS:

2025-02-07

SUPERSEDES DOCUMENTS:

45A/1515/RR

IEC SC 45A : INSTRUMENTATION, CONTROL AND ELECTRICAL POWER SYSTEMS OF NUCLEAR FACILITIES

SECRETARIAT:

France

SECRETARY:

Mr Alexander WIGG

OF INTEREST TO THE FOLLOWING COMMITTEES:

TC 45, SC 45B

HORIZONTAL FUNCTION(S):

ASPECTS CONCERNED:

Safety

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Recipients of this document are invited to submit, with their comments, notification of any local regulations or technical reasons that may exist and should be considered should this proposal proceed, recognizing that failure to address such requirements could result in the need for new or existing "In Some Countries" clauses. (SEE [AC/22/2007](#) OR [NEW GUIDANCE DOC](#)).

TITLE:

Nuclear reactors - Instrumentation and control systems important for safety - Detection of leakage in coolant systems

NOTE FROM TC/SC OFFICERS:

Following circulation of the working draft among working group 5 experts, and with the support of working group 5 Convenor and SC45A Secretary, the committee draft is circulated to IEC National Committees for a period of 12 weeks.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**NUCLEAR POWER PLANTS -
INSTRUMENTATION AND CONTROL IMPORTANT TO SAFETY -
DETECTION OF LEAKAGE IN COOLANT SYSTEMS****FOREWORD**

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International Standard IEC 61250 has been prepared by subcommittee 45A: Instrumentation and control of nuclear facilities, of IEC technical committee 45: Nuclear instrumentation.

This second edition cancels and replaces the first edition published in 1994.

The revision of the standard is intended to accomplish the following:

- to take into account the fact that significant progress of leakage detection technology, renew general design requirements of detection system;
- to update the format to align with the current IEC/ISO directives on style of standards;
- to align the document with the new revisions of reference standards and documents;
- to review the existing requirements and to update the terminology and definitions.
- to add the leakage management guidance requirements.

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

FDIS	Report on voting
45A/XX/FDIS	45A/XX/RVD

99
100 Full information on the voting for the approval of this standard can be found in the report on
101 voting indicated in the above table.

102 The language used for the development of this International Standard is English.

103 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
104 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement,
105 available at www.iec.ch/members_experts/refdocs. The main document types developed by
106 IEC are described in greater detail at www.iec.ch/publications.

107 The committee has decided that the contents of this publication will remain unchanged until
108 the stability date¹ indicated on the IEC web site under "http://webstore.iec.ch" in the data
109 related to the specific publication. At this date, the publication will be

- 110 • reconfirmed,
111 • withdrawn,
112 • replaced by a revised edition, or
113 • amended.

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