

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Radiation protection instrumentation – Installed personnel surface
contamination monitors**

**Instrumentation pour la radioprotection – Moniteurs fixes pour la surveillance de
la contamination de surface du personnel**



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**RADIATION PROTECTION INSTRUMENTATION –
INSTALLED PERSONNEL SURFACE CONTAMINATION MONITORS**

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IEC 61098 has been prepared by subcommittee 45B: Radiation protection instrumentation, of IEC technical committee 45: Nuclear instrumentation. It is an International Standard.

This third edition cancels and replaces the second edition published in 2003. This edition constitutes a technical revision.

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

- a) Title is modified.
- b) As an alternative of small area sources, area sources are added to be used for methods of test with respect to the variation of response with source position, effective instrument efficiency, detection limit (DL), and variation of response with energy.
- c) Detection limit (DL) complies with the ISO 11929 series.
- d) Descriptions of influence quantities of type F and type S are added.
- e) Consistency with IEC 62706 is promoted for environmental requirements, mechanical requirements, electromagnetic compatibility and methods of test.
- f) Descriptions of overhead detectors are added.

- g) Descriptions of friskers are added with respect to the hand and foot monitoring.
- h) Figures are made easier to understand the relation between the detector position and the response, and the positional relation between the detector surface and the source.

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

Draft	Report on voting
45B/1020/FDIS	45B/1026/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

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

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

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