



**SLOVENSKI STANDARD**  
**oSIST prEN ISO 8529-3:2024**  
**01-maj-2024**

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**Referenčna polja nevtronskega sevanja - 3. del: Umerjanje površinskih in osebnih dozimetrov ter določanje njihovega odziva kot funkcije energije nevtronov in vpadnega kota (ISO 8529-3:2023, vključno s popravljeno različico 2023-09)**

Neutron reference radiation fields - Part 3: Calibration of area and personal dosimeters and determination of their response as a function of neutron energy and angle of incidence (ISO 8529-3:2023, including corrected version 2023-09)

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Champs de rayonnement neutronique de référence - Partie 3: Étalonage des dosimètres de zone et individuels et détermination de leur réponse en fonction de l'énergie et de l'angle d'incidence des neutrons (ISO 8529-3:2023, y compris version corrigée 2023-09)

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**Ta slovenski standard je istoveten z: prEN ISO 8529-3**

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**ICS:**

17.240      Merjenje sevanja      Radiation measurements

**oSIST prEN ISO 8529-3:2024**      **en,fr,de**



# INTERNATIONAL STANDARD

# ISO 8529-3

Second edition  
2023-06

Corrected version  
2023-09

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## Neutron reference radiation fields — Part 3: Calibration of area and personal dosemeters and determination of their response as a function of neutron energy and angle of incidence

*Champs de rayonnement neutronique de référence —*

*Partie 3: Étalonnage des dosimètres de zone et individuels et  
détermination de leur réponse en fonction de l'énergie et de l'angle  
d'incidence des neutrons*

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Reference number  
ISO 8529-3:2023(E)

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Published in Switzerland

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## ISO 8529-3:2023(E)

### Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 85, *Nuclear energy, nuclear technologies, and radiological protection*, Subcommittee SC 2, *Radiation protection*.

This second edition cancels and replaces the first edition (ISO 8529-3:1998), which has been technically revised.

The main changes are as follows:

- The second and last edition of ISO 8529-1:2021 revised the neutron reference radiation fields produced with radionuclide sources as well as those produced with monoenergetic neutrons, thus requiring calculation of new conversion coefficients from neutron fluence to ambient dose equivalent or personal dose equivalent.

A list of all parts in the ISO 8529 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

This corrected version of ISO 8529-3:2023 incorporates the following corrections:

- The unit "pSv cm<sup>-2</sup>" was corrected to "pSv cm<sup>2</sup>" in [Tables 1](#) to [4](#).