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| STN | Nedeštruktívne skúšanie Radičné metódy pre počítačovú tomografiu Časť 4: Kvalifikácia (ISO 15708-4: 2025) | STN EN ISO 15708-4 01 5042 |
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Non-destructive testing - Radiation methods for computed tomography - Part 4: Qualification (ISO 15708-4:2025)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/25

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English Version

Non-destructive testing - Radiation methods for computed tomography - Part 4: Qualification (ISO 15708-4:2025)

Essais non destructifs - Méthodes par rayonnements
pour la tomographie informatisée - Partie 4:
Qualification (ISO 15708-4:2025)

Zerstörungsfreie Prüfung - Durchstrahlungsverfahren
für Computertomographie - Teil 4: Qualifizierung (ISO
15708-4:2025)

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EN ISO 15708-4:2025 (E)

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European foreword

This document (EN ISO 15708-4:2025) has been prepared by Technical Committee ISO/TC 135 "Non-destructive testing " in collaboration with Technical Committee CEN/TC 138 "Non-destructive testing" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2025, and conflicting national standards shall be withdrawn at the latest by December 2025.

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International Standard

ISO 15708-4

Non-destructive testing — Radiation methods for computed tomography —

Part 4: Qualification

*Essais non destructifs — Méthodes par rayonnements pour la
tomographie informatisée —*

Partie 4: Qualification

**Second edition
2025-06**

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ISO 15708-4:2025(en)**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 document 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).

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This document was prepared by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 5, *Radiographic testing*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, *Non-destructive testing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 15708-4:2017), which has been technically revised.

The main changes are as follows:

- addition of ISO 15708-1 and ISO 15708-3 as normative references in [Clause 2](#);
- correction of title in [Figure 1](#);
- correction of density values d_R of each insert and CT grey values N_i in [6.4.4](#);
- deletion of the bibliography;
- editorial changes.

A list of all parts in the ISO 15708 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.

Non-destructive testing — Radiation methods for computed tomography —

Part 4: Qualification

1 Scope

This document gives guidance on the qualification of the performance of a computed tomography (CT) system with respect to various testing tasks.

This document is applicable only to industrial imaging (i.e. non-medical applications) and provides a consistent set of definitions of CT performance parameters, including the relationship between these performance parameters and CT system specifications.

This document is applicable to industrial computed tomography.

This document does not apply to other techniques of tomography such as translational tomography and tomosynthesis.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 15708-1, *Non-destructive testing — Radiation methods for computed tomography — Part 1: Vocabulary*

ISO 15708-3:2025, *Non-destructive testing — Radiation methods for computed tomography — Part 3: Operation and interpretation*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN