

STN	Nedeštruktívne skúšanie Radičné metódy pre počítačovú tomografiu Časť 3: Realizácia a vyhodnotenie (ISO 15708-3: 2025)	STN EN ISO 15708-3 01 5042
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Non-destructive testing - Radiation methods for computed tomography - Part 3: Operation and interpretation (ISO 15708-3:2025)

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

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English Version

Non-destructive testing - Radiation methods for computed tomography - Part 3: Operation and interpretation (ISO 15708-3:2025)

Essais non destructifs - Méthodes par rayonnements
pour la tomographie informatisée - Partie 3:
Fonctionnement et interprétation (ISO 15708-3:2025)

Zerstörungsfreie Prüfung - Durchstrahlungsverfahren
für Computertomographie - Teil 3: Durchführung und
Auswertung (ISO 15708-3:2025)

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EN ISO 15708-3:2025 (E)

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European foreword

This document (EN ISO 15708-3:2025) 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of an identical text or by endorsement, at the latest by January 2026, and conflicting national standards shall be withdrawn at the latest by January 2026.

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International Standard

ISO 15708-3

Non-destructive testing — Radiation methods for computed tomography —

Part 3: Operation and interpretation

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

Partie 3: Fonctionnement et interprétation

**Second edition
2025-06**

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ISO 15708-3:2025(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 15708-3:2017), which has been technically revised.

The main changes are as follows:

- correction of [Figure 5](#);
- correction and reordering of content in [Clause 5](#);
- correction of definitions for N_C and N_A in [Formula A.1](#);
- correction of definition for σ in [Formula A.2](#);
- editorial changes.

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Non-destructive testing — Radiation methods for computed tomography —

Part 3: Operation and interpretation

1 Scope

This document provides an overview of the operation of a computed tomography (CT) system. This document specifies steps for interpretation of CT results with the aim of providing the operator with technical information to enable selection of suitable parameters.

This document is applicable to industrial imaging (i.e. non-medical applications) and specifies a consistent set of definitions of CT performance parameters, including how these performance parameters relate to CT system specifications.

This document is applicable to computed axial tomography.

This document does not apply to other types 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 15708-2:2025, *Non-destructive testing — Radiation methods for computed tomography — Part 2: Principle, equipment and samples*

ISO 15708-4:2025, *Non-destructive testing — Radiation methods for computed tomography — Part 4: Qualification*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN