

Radiation Protection: Operation of Non-Medical X-ray Devices

Modules RH, Z3 / expert knowledge groups R1.1, R1.2, R1.3, R2.1, R2.2, R3, R4, R5.1, R5.2, R7, R8

The training course provides the requisite competence in radiation protection for the operation of non-medical X-ray devices and conveys the knowledge required for inspecting, testing, repairing and maintaining X-ray devices. It encompasses the competence categories R1.1, R1.2, R1.3, R2.1, R2.2, R3, R4, R5.1, R5.2, R7, and R8 (modules RH, Z3).

The target group are technical experts/surveyors and other persons working in industry, research and/or administration who deal with radiation protection issues related to the operation of non-medical X-ray devices and/or stray radiation emitters subject to licensing.

The following subjects are covered:

- Legal fundamentals, recommendations and guidelines
- Tasks and responsibilities of the Radiation Protection Officer
- Fundamentals of related natural science and of radio-physics
- Radiation exposure of man
- Effects of ionizing radiation on man and matter
- Terms in the field of dosimetry, Dose units, Risk assessment
- Personal dosimetry
- Precautionary occupational medicine
- X-ray machines and stray radiation emitters (layout, operation, testing, type approval)
- Radiation protection techniques, Radiation protection safety, Radiation measuring techniques
- Practical exercises on an X-ray device.

The training course concludes with an examination. The Regulatory Authority acknowledges the successful completion of the course as the acquisition of the requisite competence for the competence categories R1.1, R1.2, R1.3, R2.1, R2.2, R3, R4, R5.1, R5.2, R7, and R8 (modules RH, Z3). This acknowledgement is valid unrestrictedly in the Federal Republic of Germany.

Dauer: 4 Tage

Termine, Preise und Buchungsmöglichkeit

zur aktuellen Terminübersicht mit Preisangabe und Buchungsmöglichkeit

Geplante Termine: 02.03.2026 - 05.03.2026, 19.10.2026 - 22.10.2026

Kurspreis: interner Preis: 1.685,00 EUR

externer Preis: 1.685,00 EUR

Änderungen vorbehalten | Stand: 10.12.2025 20:42 Uhr

Kontakt und Beratung

Fachliche Fragen: [Dr. Thomas Rabung](#)

Administration, Beratung: [Frau Angela Sasso](#)