

# Quality Management of Operation of Reference Calibration Dosimetric Installations

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**Citation:** Styazhkin V.A., Sharganov K.A., Voeyko O.A., Popova Yu.S. Quality Management of Operation of Reference Calibration Dosimetric Installations, *Kompetentnost' / Competency (Russia)*, 2024, no. 9–10, pp. 86–91. DOI: 10.24412/1993-8780-2024-9-86-91

## key words

quality, reference calibration installation, ionizing radiation, safety, mathematical model, empirical model

The standardized method of verification of measuring instruments at radiation-hazardous facilities is characterized by increased labor intensity of work, a low level of automation of processes and requires a long stay of verifiers in the zone of exposure to ionizing radiation, which leads to increased dosimetric loads and is an additional risk factor.

The relevance of the issue of ensuring radiation safety by increasing the efficiency of quality management of operation of reference calibration dosimetric installations is shown. An approach to modeling the ionizing radiation field is proposed, the ways and prospects of its implementation and application in practice are determined, as well as an assessment of the factors and conditions affecting the measurement results is carried out.

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