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Implementation of the Quality Management in Radiation Dosimetry Laboratory at ELI-NP Facility

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The Radiation Dosimetry Laboratory from ELI-NP assure the implementation of the radiological monitoring program at ELI-NP and provide a necessary basis for its operation (environmental and personal monitoring devices, communicating results and data records) in order to enforce national and international regulations. The Quality Management System (QMS) implementation for Dosimetry Laboratory is under way and will be made in accordance with the new requirements of the standard ISO/IEC 17025:2017. Implementation of QMS in Dosimetry Laboratory demonstrate technical competence, impartiality and integrity concerning laboratory activity profiles.

The laboratory QMS covers all aspects related to radiation monitoring from the analysis of the monitoring request proces of users up to final issuance of Radiation Dosimetry Report. The Quality Manual is the main component of the QMS documentation.

The processes needed for the QMS as well as their succession and interaction have been identified and based on them methods and procedures have been developed to control the operational processes within the laboratory.

This paper presents actions of the identification of risks and opportunities associated in order to QMS implementation in compliance with ISO/IEC 17025:2017.

Biography:

Dorina Aranghel is a senior researcher of IFIN-HH Magurele and she is working at ELI-NP, Magurele. She involved in a research project, occupying the position of project director. In this project she is working on the elaboration of the Quality Management System for the ELI-NP laboratory for the recognition of competence by a national body in the nuclear field, CNCAN. Also, She involved in other projects from our departement and ELI-NP facility.