

**International Conference on Occupational Radiation Protection:
Strengthening Radiation Protection of Workers –Twenty Years of Progress
and the Way Forward**

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The Role of Regulatory Body (FANR) in Strengthening Radiation Protection by Controlling Occupational Radiation Exposure and Enhancing Training in Medical and Industrial field

The implementation of radiation safety regulations particularly in occupational exposure for both medical and industrial fields raises challenges for all regulators, health authorities, and users. In view of this, Federal Authority for Nuclear Regulation (FANR), the regulatory body in the UAE, issued series of regulations and guides since its establishment year in 2009. FANR adopted international radiation safety regulations to ensure protection of public, radiation workers, patients and environment. It successfully completed number of IAEA peer review missions including the IRRS mission twice in 2011 and in 2015 and ORPAS mission during the past ten years. Since 2009, FANR started introducing licensees to regulations, regulatory guides, and license conditions, following a consistent graded approach in regulatory functions (authorization, review and assessment, inspection and enforcement). The goal of this paper is to demonstrate how FANR utilizes certain regulatory tools to achieve control of occupational exposures and how mandatory radiation safety training for workers assist to improve radiation safety culture in the UAE. In addition to, facing COVID -19 challenges and limiting the over exposure cases. This is implemented by establishing electronic national dose registry, development of national radiation safety training strategy associated with a range of training modules, national qualifications and list of temporary Qualified Experts in the UAE. The availability of regulation, regulatory control and obligate requirements of radiation safety training over all licensees lead to best understanding and implementing of occupational radiation exposure requirements.

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