

Third International Conference on Nuclear Knowledge Management - Challenges and Approaches



Contribution ID: 80

Type: poster

Case Study: Strategy for the Establishment of the Centre for Nuclear Safety and Security in South Africa

Monday, 7 November 2016 17:00 (1 hour)

The establishment of a dedicated nuclear safety centre as part of nuclear industry infrastructure is a common practice among nuclear countries that is also recognized and recommended by the International Atomic Energy Agency (see, for instance, IAEA GSR Part 1). However, South Africa currently does not have such a centre. This paper presents a Strategy that has been developed for the establishment of a nuclear safety centre that will support the nuclear knowledge management infrastructure of the National Nuclear Regulator of South Africa. After a brief introduction, the challenges faced by the Regulator are presented. Next, the minimum requirements for addressing the challenges are summarized by providing an outline of strategic objectives to be fulfilled. This is followed by the description of the Strategy developed to fulfil the objectives, including key programmes that will be implemented. A qualitative evaluation of benefits that will result from the implementation of the Strategy is also presented. Additional provisions which are required in the national legislation to facilitate successful implementation of the Strategy are highlighted based on lessons learnt from other Regulators. Finally, lessons learned during the execution of this project are summarized in order to provide guidelines for similar projects.

Country or International Organization

South Africa

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Session Classification: Poster Session

Track Classification: Track 5: KM for nuclear regulatory compliance