INVAP experience in Human Resources Training and Qualification in Research Reactor Analysis

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ABSTRACT

INVAP designs and builds research reactors with high demand requirements, which need better prediction capabilities to reduce design margins. INVAP uses computational tools to predict the behavior of the reactor, and each time with a greater level of detail. Analysts play a very important role in the development of the precise models that are used to simulate the system being analyzed. The ability of the analyst to make new accurate models to design or calculate new research reactors or irradiation facilities can only be assessed through their knowledge and experience.

INVAP deals with all aspects related to the design of the reactor using different approaches, namely: a clear and well-defined calculation methodology, continuous improvement of validation codes validated in broad spectra of nuclear reactors, a set of procedures for proper management of the project data, requirements, results, analysis of generated calculations, etc. and adequate training and qualification of project analysts.

This document will focus on the practical experience of INVAP in the training of human resources, qualification and knowledge management in the analysis of reactor physics.