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Centers of Excellence Contribution to Knowledge Augmentation

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Knowledge management is a key need of the nuclear industry to cope with the knowledge limited augmentation and the risks of knowledge loss due to a number of reasons, such as: staff attrition, organizational changes, upgraded technologies, new projects implementation, and the nuclear power evolution in recent years (i.e., post-Fukushima upgrades). This document describes the contribution of nuclear centers of excellence to knowledge augmentation. The effective implementation of nuclear centers of excellence is a key success factor for the knowledge management programme of nuclear organizations. This document, is based on a real example of operating organization approach in launching such initiative for staff knowledge augmentation and performance improvement. Eventually, any type of organizations in the nuclear sector could apply the proposed technique to reach better knowledge usage. The nuclear centers of excellence are a key knowledge management initiative for the learning organizations that are caring about organizational intellectual capital and striving for performance improvement. The nuclear centers of excellence can be realized as a forum to exchange ideas, knowledge, information, experiences; to collect lessons learned; and to identify areas for improvement where further organizational competence building is needed. Usual realization of this initiative is going through an active staff involvement in knowledge sharing in a form of different technical communities of practice focusing on specific knowledge domains.

Country or International Organization

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