



Contribution ID: 93

Type: **oral**

Knowledge Management Portal: A Simplified Model to Help Decision Makers

Friday, 24 October 2014 09:30 (20 minutes)

The aim of this work is to present a simplified model that could help nuclear industry to keep expertise of safeguards professionals in touch with state of art, and also have available information in the Portal of Knowledge Management.

It can also provide indicators and general data for decision makers. Authors have developed the concept based on their own experience through systems running in hydroelectric and gas fired plants, and one exclusive system that manage all courses in one University.

It is under development a Portal of Knowledge Management for NPP dealing with information obtained of Strategic Plans, Budgets and Economics, Operation Performance, Maintenance and Surveillance Plans, Training and Education Programs, QA Programs, Operational Experience, Safety Culture, and Engineering of Human Factors. This model will provide indicators for decision makers.

Training and education module is prepared according to profile of each individual and his attributes, tasks and capabilities, and training and education programs. The system could apply self-assessment questionnaires; immersive learning using media (video) classes, and test applications using questions randomly selected from data bank, as well as could make applications to certificate people. All these data are analyzed and generate indicators about strongest and weakness points. Managers could have indication of individual's deficiency even though in training programs on a real time basis.

Another tool that could be applied to the model is the remote operation of supervision equipment. The model is developed using web-based tools, like ASP.NET encrypted by 128 bits, and web site https. Finally, it is important to stress that the model can be customized according to industry preference.

Country or International Organization

Brazil

Primary author: OGAWA, Iukio (COOPERGIA)

Co-author: HERNÁNDES TABARES, Raul (COOPERGIA)

Presenter: OGAWA, Iukio (COOPERGIA)

Session Classification: Knowledge Management for Safeguards Organizations