

Session Title: Digital Instrumentation and Control Licensing for Power Reactors

Description: A panel session will be held by the Division of Engineering that will discuss the use of the digital I&C Interim Staff Guidance (ISG) in licensing safety applications. The NRC will give a presentation on Defense and Diversity in Depth which will focus on how diverse is diverse enough and interim staff guidance being developed for Licensing Digital Safety Systems. The industry will discuss their licensing experiences using ISGs for Digital I&C applications. This session also includes a presentation by the Wolf Creek staff on their Main Steam & Feed Isolation System License Amendment Request using Field Programmable Gate Arrays.

Session Chair: William Kemper, NRC/NRR

Panelists:

Digital I&C Licensing Process Task Working Group-6
Presentation View Handout View

Jared Wermiel, NRC/NRR

Evaluating Diversity in Nuclear Power Plant Safety System Designs
Presentation View Handout View

Additional Documents:
Diversity Evaluation Metric Tool

Michael Waterman, NRC/RES

Digital I&C Project and Lead Plant Experiences
Presentation View Handout View

Gordon Clefton, Senior Project Manager, Nuclear Energy Institute

Successful Licensing of Advanced Logic System and Field-Programmable Gate Array Based Platform
Presentation View Handout View

Gregg Clarkson, Safety I&C Project Manager, Wolf Creek Nuclear Operating Corporation, and Steen Sorensen, President and Chief Executive Officer, CS Innovations, LLC

Session Coordinators:

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