

**Advisory Committee on Reactor Safeguards
Subcommittee on Digital Instrumentation and Control Systems
NRC Staff Activities for Digital Instrumentation and Control Systems
April 18, 2007
Rockville, MD**

- Proposed Schedule -

Cognizant Staff Engineer: Charles G. Hammer, cgh@nrc.gov 301-415-7363

Topic		Presenter(s)	Time	
Opening Remarks		G. Apostolakis, ACRS	8:30 - 8:35 am	
I	NRC Digital I&C Steering Committee Activities	M. Mayfield, NRR	8:35 - 8:45 am	
II	Industry Perspective on Diversity and Defense-in-Depth (D3) Issues	K. Keithline, NEI T. Harris, NEI	8:45 - 9:05 am	
	Current Regulatory Position on D3 Requirements for Digital Safety Systems	P. Loeser, NRR	9:05 - 9:30 am	
	NRC Short Term Activities to Address D3 Issues	P. Loeser, NRR G. Eagle, NRR	9:30 - 10:20 am	
	Break			10:20 - 10:35 am
	Longer Term Activities (Research) in the area of D3	M. Waterman, RES R. Wood, ORNL	10:35 - 11:15 am	
	General Discussion of D3 issues	P. Loeser, NRR G. Eagle, NRR M. Waterman, RES	11:15 am - 12:00 pm	
Lunch Break			12:00 pm - 1:00 pm	
III	Industry Perspective on risk-informing digital system reviews and dynamic digital system reliability modeling	K. Keithline, NEI T. Harris, NEI	1:00 - 1:20 pm	
	NRC short term activities associated with risk-informing digital system reviews	C. Doust, NRR	1:20 - 2:15 pm	
	Review of current status of dynamic digital reliability modeling research	S. Arndt, RES	2:15 - 2:40 pm	
	Break			2:40 - 2:55 pm
	Review of current status of dynamic digital reliability modeling research	A. Kuritzky, RES	2:55 - 4:55 pm	
	Regulatory Guidance for Risk-Informing Digital Systems Reviews	S. Arndt, RES	4:55 - 5:10 pm	
Subcommittee Discussion		G. Apostolakis, ACRS	5:10 - 5:30 pm	

Notes:

- Presentation time should not exceed 50% of the total time allocated for a specific item.
- Number of copies of presentation materials to be provided to the ACRS - 35.