

**AGENDA**

**TR-0616-48793, "Nuclear Analysis Codes and Methods Qualification," Revision 0  
&  
TR-0116-21012, "Critical Heat Flux Correlation," Revision 1**

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**Tuesday, May 15, 2018**

Open session bridge number: 866-822-3032 - Passcode: 8272423

	<b>Topic</b>	<b>Presenter(s)</b>	<b>Time</b>
I	CHAIRMAN OPENING REMARKS	Michael Corradini, ACRS	1:00 - 1:05 PM
II	<b>Overview:</b> <u>Power Nuclear Analysis Codes</u> <ul style="list-style-type: none"> <li>• Code Description</li> <li>• Core and Reflector Description</li> <li>• Code Validation and Benchmarking</li> <li>• Nuclear Reliability Factor Generation</li> <li>• Code Application</li> </ul> <u>Critical Heat Flux Correlation</u> <ul style="list-style-type: none"> <li>• Introduction and Background</li> <li>• Correlation Development</li> <li>• VIPRE-01 Code</li> </ul>	NuScale	1:05 - 1:35 PM
III	<b>Overview:</b> Power Nuclear Analysis Codes & Critical Heat Flux Correlation	B. Baval, NRO T. Drzewiecki, NRO	1:35 - 2:05 PM
IV	Public Comment		2:05 - 2:20 PM
	<b>Break</b>		2:20 - 2:30 PM
<b>CLOSED SESSION BEGINS</b>			
V	NuScale - Power Nuclear Analysis Codes <ul style="list-style-type: none"> <li>• CASMO5 and SIMULATE5 Code Description</li> <li>• Benchmarks</li> <li>• Nuclear Reliability Factors and Update Methods</li> </ul>	NuScale	2:30 - 3:15 PM
VI	NRC - Power Nuclear Analysis Codes <ul style="list-style-type: none"> <li>• Review Scope and Approach</li> <li>• Geometric, Material, and Physics Modeling</li> <li>• Code-to-code Benchmarking</li> <li>• Code Validation</li> <li>• Application Uncertainty</li> <li>• Limitations and Conditions</li> </ul>	T. Drzewiecki, NRO B. Baval, NRO	3:15 - 4:00 PM
	NuScale - Critical Heat Flux Correlation <ul style="list-style-type: none"> <li>• CHF Correlation Development Background</li> <li>• CHF Testing Facilities</li> <li>• NSP1 and NSP2 Correlation Development</li> </ul>	NuScale	4:00 - 4:45 PM

ADVISORY COMMITTEE OF REACTOR SAFEGUARDS

	<ul style="list-style-type: none"> <li>• NSP4 Correlation Development</li> <li>• Ranges of Applicability</li> </ul>		
	NRC - Critical Heat Flux Correlation <ul style="list-style-type: none"> <li>• Review Scope and Approach</li> <li>• Experimental Data</li> <li>• Model Generation</li> <li>• Model Validation</li> <li>• Limitations</li> </ul>	T. Drzewiecki, NRO B. Bovol, NRO	4:45 - 5:30 PM
VII	ACRS Members Remarks		5:30 - 5:45 PM
	Adjourn		5:45 PM

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