

NRC/EPRI HEAF Workshop
Day 1: May 17th

Time	Topic	Subtopic(s)	Presenter(s)
8:30 am	Introduction and Welcome		John Tappert (NRC) Fernando Ferrante (EPRI) Mark Henry Salley (NRC)
9:00 am	Be Risk SMART		Mark Salley (NRC)
9:15 am	1: The concern	Background	Nick Melly (NRC)
		Operating experience	Ken Fleischer
		International experience	Nick Melly (NRC)
		Japanese Regulations	Koji Shirai (CRIEPI)
10:00 am	2: Early risk insights	LIC-504	Reinaldo Rodriguez (NRC)
		IN 2023-01	Charles Moulton (NRC)
10:30 am	Break		
10:45 am	3: Prevention and Maintenance		Ken Fleischer
10:55 am	4: The working groups	PIRT	Ken Hamburger (NRC)
		EPRI/NRC working group	Ken Hamburger (NRC) Marko Randelovic (EPRI)
11:10 am	5: The testing	Cable fragility testing	Gabe Taylor (NRC)
		Small scale testing	Austin Glover (SNL)
12:00 pm	Lunch break		
1:00 pm	6: The testing (continued)	Open box testing	Gabe Taylor (NRC)
		Large scale testing	Gabe Taylor (NRC)
1:45 pm	Questions and discussion		
2:00 pm	Break		
2:15 pm	7: The modeling	Modeling approach	Marko Randelovic (EPRI)
		FDS physics and proof of concept	Kevin McGrattan (NIST)
		Input development	Ken Hamburger (NRC)
		Model validation	Sean Hunt (Jensen Hughes)
4:00 pm	Questions and discussion		
4:15 pm	8: Fragility and ZOI reports		Gabe Taylor (NRC)
4:45 pm	Adjourn for Day 1		

NRC/EPRI HEAF Workshop
Day 2: May 18th

Time	Topic	Subtopic(s)	Presenter(s)
8:30 am	9: Fragility and FDS HEAF ZOI reports (continued)	Run matrix Low voltage Medium voltage Non-segregated bus ducts	Dane Lovelace (Jensen Hughes) Sean Hunt (Jensen Hughes) Ken Hamburger (NRC)
9:30 am	10: Electrical distribution systems	HEAF zones	Ken Fleischer Gabe Taylor (NRC) Ken Miller (NRC)
10:00 am	Break		
10:15 am	11: Electrical distribution systems (continued)	HEAF zones (continued) Fault clearing time (FCT) Generator circuit breaker (GCB)	Ken Fleischer Gabe Taylor (NRC) Ken Miller (NRC)
11:15 am	12: Fire PRA Methodology	Overview of PRA report GCB credit	Ashley Lindeman (EPRI) Gabe Taylor (NRC)
11:45 am	Questions and discussion		
12:00 pm	Lunch		
1:00 pm	13: Fire PRA methodology (continued)	Load center HEAFs including counting, frequency, ZOI, and modeling	Ashley Lindeman, EPRI Dane Lovelace (Jensen Hughes) Nick Melly (NRC)
		Switchgear HEAFs including counting, zone apportioning, frequency, ZOI, and modeling	
		ZOI/Ensuing fire for load centers and switchgear	
2:30 pm	Break		
2:45 pm	14: Fire PRA methodology (continued)	NSBD HEAFs <ul style="list-style-type: none"> • Counting • Frequency • ZOI • Modeling • Waterfall 	
		Iso-phase bus duct	
3:15 pm	Questions and discussion		
3:30 pm	15: User perspective		Suzanne Loyd (Constellation) Charlie Young (Jensen Hughes) Gregory Zucal (Jensen Hughes)
4:15 pm	16: Non-PRA applications for fire analysis		Mark Salley (NRC)
4:30 pm	17: Remaining work	Completion of OECD/NEA program	Nick Melly (NRC)
4:45 pm	18: Closing Remarks		Michael Franovich (NRC) Fernando Ferrante (EPRI)