U.S. Nuclear Regulatory Commission Public Meeting Summary
March 22th, 2019

Title: High Energy Arc Fault Large-Scale Test Plan Comment Resolution
Meeting Identifier: 20190198

Date of Meeting: March 20th, 2019

Location: One White Flint North, Room 11B04

Type of Meeting: Category 3

Purpose of the Meeting(s): To solicit stakeholder input on previously dispositioned comments regarding the large-scale high energy arcing fault (HEAF) test plan.

General Details: This meeting was held at NRC headquarters in OWFN room 11B04 on March 20th, 2019. The meeting began at 1:00 PM and finished at 2:45 PM. Ten NRC staff from the offices of NRR and RES were in attendance. Seven external stakeholders were in attendance, and an additional 6 external stakeholders participated by teleconference.
An NRC staff facilitator was used for this meeting, and the meeting was transcribed.

Summary of Presentations: Michael Cheok (RES/DRA Director) opened the meeting. Mark Salley (RES/DRA/FXHAB Chief) outlined the objectives and goals of the meeting. Marko Randelovic (EPRI) presented some of EPRI's test plan comments and how the HEAF working group has resolved them. The remainder of the meeting was open for stakeholder input.

Action Items/Next Steps: The following action items and comments were noted at the meeting:

- NRC will list the types of data collected in the most recent series of HEAF tests and specify dates by which that data will be made available to the working group. This should include data on material characterization.
- NEI will gather data on the existence and prevalence of aluminum in main bus bars for medium-voltage enclosures, corresponding to the proposed confirmatory test arc location.
- NEI notes that it is important to ensure that worst-case parameters (voltage, duration, current) are not being selected and paired to give a worst-case test. NEI noted that this concern is being alleviated by the working group.
- NEI asked how the tests are being designed to isolate the impact of aluminum, in accordance with the goal of PRE-GI-018.
- EPRI noted that it is important to understand the modeling and fragility determination, validation, inputs, and outputs on the front end to ensure that they are appropriate tools for calculation of a zone of influence. The details of these models may lead to further comments on the test plan.

Attachments:

- Meeting agenda
- Meeting attendees
- Meeting transcript
- Presentations (NRC, EPRI, & NEI)