

Advance Reactor Working Group
HFE Key Points

1. Ensure the introduction pages of NUREG-0711 are understood.
 - The staff is not planning to write SERs for programmatic level submittals
 - Implementation Plans must explain how a criterion is implemented
 - Some criterion are just lists, others require explanation – if unsure, communicate with staff rather than trade RAIs and RAI responses
2. All applications received have used “DAC.” Complete and detailed implementation plans are used by the staff to approve the process that will be used to complete the HFE design.
3. ITAAC: Best practice (with no design products completed except program management) –mirror each section of NUREG-0711 with an ITAAC that requires implementation of the Implementation Plan
 - Each NUREG section has an associated design product – the product is the focus of the ITAAC.
 - Anything needed to support the product should be completed as part of DCD application (e.g., operational sequence analysis, style guide, validation scenarios)
 - Some exceptions allowed if case can be made that completion of the work depends on final design.
4. ITAAC: Best practice (with some design products completed)
 - Complete design input related sections (first 7 sections of NUREG)
 - Submit Implementation plan and results report for these 7 sections
 - Use DAC for the remainder of the design. Submit implementation plans.
 - Use 1 ITAAC for each of the remaining NUREG sections
5. NUREG-0711 is being revised to address lessons learned.
 - Significantly decrease scope of sections addressing procedures and training to remove overlap with Operational Programs
 - Incorporate “Minimum Inventory” within the HFE design process
 - “Simplify” the V&V section
 - Expect public comment period in late spring, early summer, 2011
6. The HFE task analysis does NOT equal the Training task analysis.
 - Workload analysis
 - Focus on controls, displays, and alarms
7. Validation scenarios do not equal Training scenarios.
8. Staff will identify Implementation Plans as tier 2*.