

# NuScale LTRs

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# HFE Program Management Plan

- **Requirements**
  - NUREG-0711
- **Purpose and Scope**
  - Purpose of the HFE Management Plan is to integrate HFE into NuScale's development, design, and evaluation processes

# Diversity and Defense-in-Depth Analysis

- **Requirements**
  - DI&C-ISG-02, NUREG/CR-6303, and BTP 7-19
- **Purpose and Scope**
  - Provides demonstration that vulnerabilities to CCFs are adequately addressed

# HFE Implementation Plan

- **Requirements**
  - NUREG 0711
- **Purpose and Scope**
  - Will contain six of the elements of NUREG 0711 (operating experience review, functional requirements analysis, allocation of function, task analysis, staffing and qualifications, human reliability analysis)

# Cyber Security Program Plan

- **Requirements**
  - RG 1.152 Rev 2, RG 5.71 and NEI 04-04
- **Purpose and Scope**
  - An overall Cyber Security Program Plan will be developed in conjunction with the software plans to provide the cyber security requirements for NuScale, contractors, suppliers, and licensees

# Software Program Plan

- **Requirements**

- NUREG 0800 BTP 7-14

- **Purpose and Scope**

- Contains the Software Management Plan (SMP) and Software Quality Assurance Plan (SQAP), which will also contain the other plans required by NUREG 0800 BTP 7-14
- SMP includes key planning documents for the Instrument and Controls design team and governs design and development activities for the Digital Computer-Based Instrumentation and Control software
- SQAP includes software plans used by the Quality Assurance and software engineering organizations

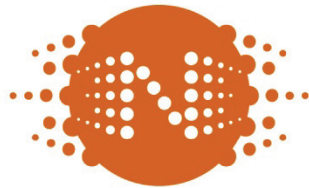
# HSI Implementation Plan

- **Requirements**
  - NUREG 0711
- **Purpose and Scope**
  - The objective of this plan is to define the process by which HSI design requirements are developed and HSI designs are identified and refined. The plan describes how functional and task requirements are translated to the detailed design of alarms, displays, controls, and other aspects of the HSI

# Procedure development

- **Requirements**
  - NUREG 0711
- **Purpose and Scope**
  - The objective of this plan is to describe the methods used to apply human engineering principles and guidance, along with all other design requirements, to develop procedures that are technically accurate, comprehensive, explicit, easy to use, and validated





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