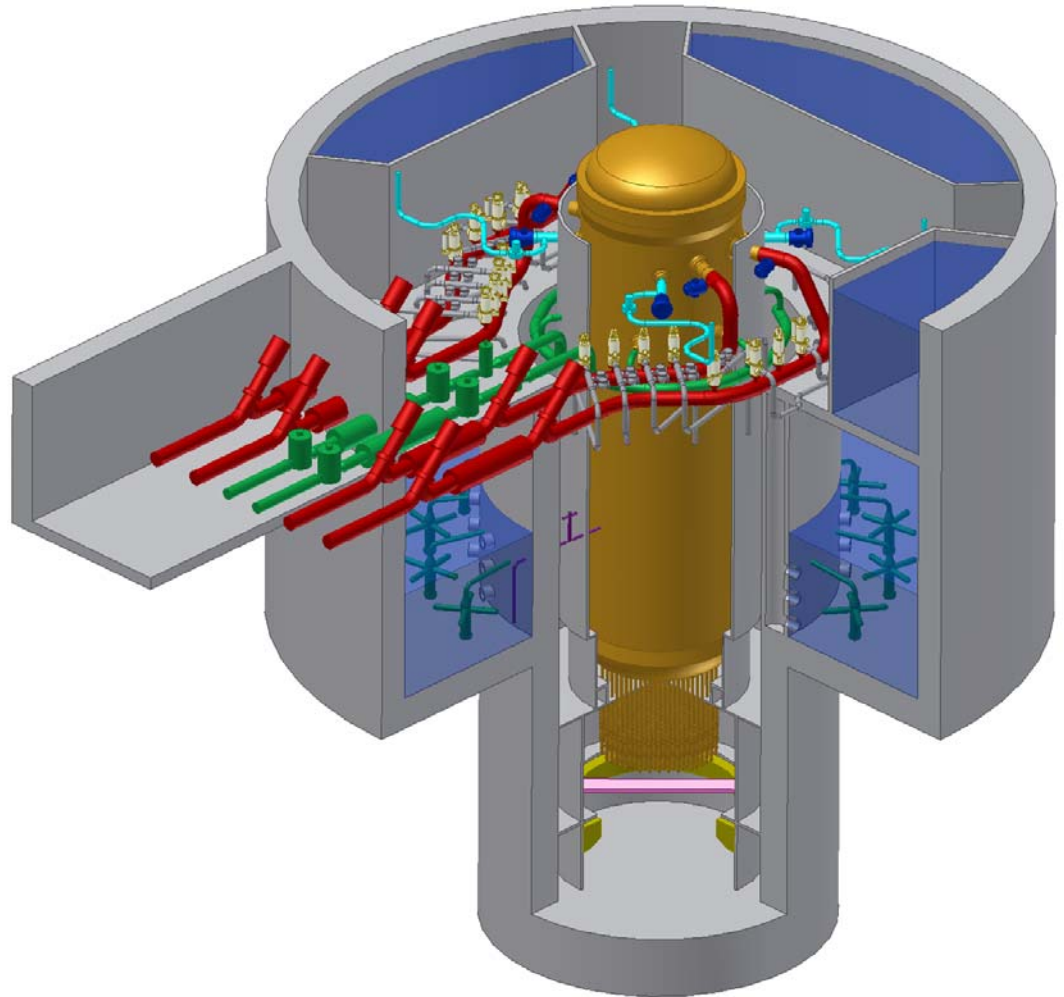


ESBWR Technical Specifications and Tier 1



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Technical Specifications

- Included as Chapter 16 of DCD
 - > Technical Specifications
 - Limiting Conditions of Operation (LCO)
 - Allowed Outage Times
 - Bases

Technical Specifications (cont)

- > Base input model was from BWR 6 Standard Technical Specifications
 - NUREG-1434
- > Also relied upon ABWR Technical Specifications
 - Primarily in the area of Control and Instrumentation
- > New passive systems were addressed
 - Expert opinion
 - AP 1000 model

Technical Specifications (cont)

- New mode included
 - > Safe Shutdown
 - Mode 4
 - Less than 215.6 C (420 F)
 - Consistent with NRC guidance for passive plants
 - > Basic assumption was that Safe Shutdown was an acceptable End State

Technical Specifications (cont)

- Bracketed Information
 - > Unknown Final Design Values
 - > Information that needs to be verified with final design
 - > Information for which supporting information will be required
 - Increases in AOTs beyond the reference Tech Specs

Tier 1

- Based on ABWR model
- Design Acceptance Criteria (DAC)
 - > Requested in 3 areas
 - Piping
 - Control and Instrumentation
 - Human Factors Engineering

Tier 1 (cont)

- Radiation Protection

- > GE's view is that this is not a DAC

- It is a non-system based ITAAC

- GE amenable to revising to clarify intent

- Final Resolution needs to factor in use of GA type drawings

- Addressed Later

Tier 1 (cont)

- Adjustments to text likely
 - > Basic System Configuration will be revised to follow Westinghouse approach
 - > Other adjustments to tighten language
 - Remove ambiguity
 - Incorporate Industry Lesson Learned
 - Align the performance with the expected construction activities

Tier 1 (cont)

- Significant Issue
 - > Need to resolve the use of General Arrangement (GA) type drawings in Tier 1 and ITAAC
 - > GAs provide clear demarcation of parameters being verified