U.S. NUCLEAR REGULATORY COMMISSION

DESIGN-SPECIFIC REVIEW STANDARD FOR NuScale SMR DESIGN

7.0 APPENDIX D INSTRUMENTATION AND CONTROLS - REFERENCES

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2. ANSI/ASME NQA-1a-2009 Addenda, “Addenda to ANSI/ASME NQA-1-2008, Quality Assurance Program Requirements for Nuclear Facilities.”

3. GL 85-06, “Quality Assurance Guidance for ATWS Equipment That Is Not Safety-related,” April 16, 1986.

4. GL 91-04, “Guidance on Preparation of a Licensee Amendment Request for Changes in Surveillance Intervals to Accommodate a 24 Month Fuel Cycle,” April 2, 1991.

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6. IEEE Std. 1012, “IEEE Standard for Software Verification and Validation.”

7. IEEE Std. 1028, “IEEE Standard for Software Reviews.”

8. IEEE Std. 279-1971, “Criteria for Protection Systems for Nuclear Power Generating Stations.”

9. IEEE Std. 323, “IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations.”

10. IEEE Std. 338, “Standard Criteria for the Periodic Surveillance Testing of Nuclear Power Generating Station Safety Systems.”

11. IEEE Std. 379, “Standard Application of the Single Failure Criterion to Nuclear Power Generating Station Safety Systems.”

12. IEEE Std. 384, “IEEE Standard Criteria for Independence of Class 1E Equipment and Circuits.”

13. IEEE Std. 497, “IEEE Standard Criteria for Accident Monitoring Instrumentation for Nuclear Power Generating Stations.”

14. IEEE Std. 603-1991, “IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations,” including the correction sheet, dated January 30, 1995.

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ADAMS Accession No.ML15125A307

16. IEEE Std. 7-4.3.2, “IEEE Standard Criteria for Digital Computers in Safety Systems of Nuclear Power Generating Stations.”

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23. NUREG-0700, “Human System Interface Design Review Guidelines,” May 2002.

24. NUREG-0711, “Human Factors Engineering Program Review Model,” 2012.

25. NUREG-0737, “Clarification of TMI Action Plan Requirements,” 1982.

26. NUREG-0737, Supplement 1, “Clarification of TMI Action Plan Requirements - Requirements for Emergency Response Capability,” 1983.

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28. NUREG-0933, “Resolution of Generic Safety Issues (Formerly entitled "A Prioritization of Generic Safety Issues"),” December 2011.

29. RG 1.105, “Setpoints for Safety-related Instrumentation.”

30. RG 1.118, “Periodic Testing of Electric Power and Protection Systems.”

31. RG 1.151, “Instrument Sensing Lines.”

32. RG 1.152, “Criteria for Digital Computers in Safety Systems of Nuclear Power Plants.”

33. RG 1.168, “Verification, Validation, Reviews and Audits for Digital Computer Software Used in Safety Systems of Nuclear Power Plants.”

34. RG 1.169, “Configuration Management Plans for Digital Computer Software Used in Safety Systems of Nuclear Power Plants.”

35. RG 1.170, “Software Test Documentation for Digital Computer Software Used in Safety Systems of Nuclear Power Plants.”

36. RG 1.171, “Software Unit Testing for Digital Computer Software Used in Safety Systems of Nuclear Power Plants.”

37. RG 1.172, “Software Requirements Specifications for Digital Computer Software Used in Safety Systems of Nuclear Power Plants.”

38. RG 1.173, “Developing Software Life Cycle Processes for Digital Computer Software Used in Safety Systems of Nuclear Power Plants.”

39. RG 1.180, “Guidelines for Evaluating Electromagnetic and Radio Frequency Interference in Safety-related Instrumentation and Control Systems.”

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44. RG 1.28, “Quality Assurance Program Requirements (Design and Construction).”

45. RG 1.47, “Bypassed and Inoperable Status Indication for Nuclear Power Plant Safety Systems.”

46. RG 1.53, “Application of the Single Failure Criterion to Nuclear Power Plant Protection Systems.”

47. RG 1.62, “Manual Initiation of Protection Action.”

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52. SRM SECY-93-087, “Policy, Technical, and Licensing Issues Pertaining to Evolutionary and Advanced Light Water Reactor (ALWR) Designs,” July 21, 1993.

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