



# Standard Review Plan 17.5

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Track: QA / Session: The Road to a New Reactor:  
What Decisions Await Before Construction Begins



# SRP 17.5 - Introduction

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- Standard Review Plan (SRP) Section 17.5, “Quality Assurance Program Description – Design Certification, Early Site Permit and New License Applicants”
  - SRP Section 17.5 – Overview
  - Staff Use of SRP Section 17.5
  - Significant Changes in SRP Section 17.5
  - Proposed Future Uses for SRP Section 17.5





# SRP 17.5 - Overview

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- Includes the latest NRC – approved guidance:
  - ASME NQA-1/1994
  - Review of approvals via safety evaluation reports through the 50.54(a) process
  - NMC, Dominion and Exelon approved Quality Assurance Topical Reports
  - Incorporation of ANSI 18.7 guidance





# SRP 17.5 - Overview

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- Covers broad spectrum of applications:
  - Design certification
  - Early site permit
  - Combined license
  - Part 50 construction permit / operating license
- Description of acceptance criteria is more detailed.





# Staff Use of SRP 17.5

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- NRR Office Instruction, LIC-200, "Standard Review Plan (SRP) Process," states, in part, "The SRP provides guidance to the staff reviewers on performing their safety reviews of applications to construct or operate nuclear power plants."
- Regulatory Guide DG-1145, "Combined License Applications for Nuclear Power Plants (LWR Edition)," will detail the SRP sections applicable to a combined license application.





# Guidance for Applying SRP 17.5

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- An existing approved quality assurance program may be applied.
- Allows for exceptions, alternatives or clarifications, if supported by an adequate justification.
- Removed reference to RGs 1.8, 1.28, 1.33 and ANSI 18.7/ANS 3.2-1976.
- SRP 17.5 is not directed at quality assurance program guidance for vendors/suppliers.





# Significant Changes in SRP 17.5

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- Added guidance for implementation of:
  - A Part 21 program
  - A commercial grade dedication program
  - Commercial grade calibration services for safety-related applications (NVLAP, A2LA)
  - Storage of electronic records
- Removed Appendix R related guidance for the storage of records.
- Attempted to consolidate all quality assurance guidance into one document.



# Proposed Future Uses for SRP

## 17.5

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- Safety evaluations would not be required to justify those exceptions, alternatives or clarifications identified in the SRP.
- Maintain SRP Section 17.5 current with recently approved NRC safety evaluations.
- SRP Section 17.5 would reflect the latest endorsed version of NQA-1.







# SRP 17.5 - Summary

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- The quality assurance program guidance has been consolidated into one standard review plan.
- The Quality and Vendor Branches of NRR are ready to conduct review and implementation of an applicant's quality assurance program.
- Questions???

