



U.S. NUCLEAR REGULATORY COMMISSION
STANDARD REVIEW PLAN
OFFICE OF NUCLEAR REACTOR REGULATION

16.0 TECHNICAL SPECIFICATIONS

REVIEW RESPONSIBILITIES

Primary - Licensing Guidance Branch (LGB)

Secondary - All technical review branches and Licensing Project Manager

I. AREAS OF REVIEW

Section 50.36 of 10 CFR Part 50 requires that each operating license issued by the Commission contain technical specifications that set forth the limits, operating conditions, and other requirements imposed upon facility operation for the protection of the health and safety of the public. As part of the regulatory standardization effort, the staff has prepared generic standard technical specifications (STS) for each of the light water reactor nuclear steam supply system and associated balance of plant equipment systems. These STS's are subject to revision and the latest versions are available from the Division of Technical Information and Document Control, NRC. The initial implementation of the STS program was made on the D. C. Cook operating license issued in October 1974. All subsequent operating licenses issued by the Commission will utilize the appropriate generic STS as the basis for issuance of Appendix A of licenses, "Technical Specifications."

Applicants should use the current generic STS as the basis for preparation of proposed Appendix A Technical Specifications items for Section 16.0 of preliminary safety analysis reports (PSAR). The proposed Appendix A Technical Specifications items will be reviewed to determine that the content and format are consistent with the applicable generic STS. Special attention will be given to those specifications which deviate from the generic STS to determine that proposed differences are justified on the basis of uniqueness in plant design or other considerations. Specifications so identified will be reviewed in detail to identify areas that may influence the acceptability of the final facility design. In particular, this portion of the review will determine the acceptability of proposed specifications items that describe features affecting the type, capacity, number or performance of surveillance activities involving safety-related systems.

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USNRC STANDARD REVIEW PLAN

Standard review plans are prepared for the guidance of the Office of Nuclear Reactor Regulation staff responsible for the review of applications to construct and operate nuclear power plants. These documents are made available to the public as part of the Commission's policy to inform the nuclear industry and the general public of regulatory procedures and policies. Standard review plans are not substitutes for regulatory guides or the Commission's regulations and compliance with them is not required. The standard review plan sections are keyed to the Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants. Not all sections of the Standard Format have a corresponding review plan.

Published standard review plans will be revised periodically, as appropriate, to accommodate comments and to reflect new information and experience.

Comments and suggestions for improvement will be considered and should be sent to the U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation, Washington, D.C. 20555.

Numerical values, graphs and other data proposed will not be as complete as specified in the generic STS because of the preliminary nature of the plant design. The review of information that is provided in this area will be limited to determining that the values are in reasonable agreement with the expected operational capability of the plant.

The Licensing Project Manager will use the generic STS as a basis for determining that the proposed items are satisfactory. He will consult the Licensing Guidance Branch and with Technical Reviewers for resolution of novel or questionable aspects of the submittal.

Applicants should use the current generic STS as the bases for preparation of proposed Appendix A Technical Specifications for Section 16.0 of final safety analysis reports (FSAR). The Appendix A technical specifications submitted in support of an operating license will be the finalized version of those specifications originally identified in the PSAR and will reflect the final refinements in design, results of tests and expected method of operation.

Each generic STS will be maintained current and updated periodically to reflect:

- (1) Changes in classes of plants or modifications of nuclear steam supply systems or balance of plant equipment systems.
- (2) Revised regulatory requirements.
- (3) Experience obtained by the NRC staff in reviewing proposed technical specification changes from licensees.
- (4) Operational experience obtained from licensees and the Office for Analysis and Evaluation of Operational Data, the Divisions of Safety Technology and Licensing in NRR, and the Office of Inspection and Enforcement.

The LGB will determine the acceptability of the proposed specifications. In addition, the LGB will coordinate secondary reviews performed by the technical review branches and by the Licensing Project Manager. The technical review branches will be consulted, as necessary, to determine the validity of plant-specific features, methods and numerical values proposed by the applicant. The Licensing Project Manager shall integrate the technical specifications effort into the licensing process and shall advise the LGB of any technical specifications, different from the STS, that have been found to be necessary. The secondary reviewers will report the results of their evaluations as indicated in subsection III of this SRP section.

II. ACCEPTANCE CRITERIA

The proposed technical specifications will be considered to satisfy Sections 50.34 and 50.36 of 10 CFR Part 50, and therefore be acceptable, if they are consistent with the regulatory guidance contained in the following STS documents and contain plant-specific parameters and additional technical specifications requirements considered appropriate by the regulatory staff.

NSSS Vendor

Babcock and Wilcox Co.
Combustion Engineering, Inc.
General Electric Co.
Westinghouse Electric Corp.

STS Publication

NUREG-0103
NUREG-0212
NUREG-0123
NUREG-0452

III. REVIEW PROCEDURES

The review of these specifications will be done on an item-by-item basis to determine the comparability with the applicability, format, and specific content of the current generic STS. The specification differences and supporting bases will be reviewed to determine their acceptability on the basis of the specific plant design and other pertinent considerations.

The numerical values, graphs, tables and other data proposed for each specification should be as complete as specified in the generic STS. This information will be reviewed to ensure conformance with material presented in applicable portions of the FSAR as summarized in the supporting basis for each specification.

In performing the review, the reviewer shall consult with specialists in the technical review branches, as deemed necessary, to determine the acceptability of proposed plant-specific values.

At the completion of the review effort, a proof and review copy of the Technical Specifications will be issued by LGB. Each technical review branch will ascertain the acceptability of technical specifications within its area of specialty and shall advise the LGB by memorandum of its finding.

IV. EVALUATION FINDINGS

The reviewer determines that sufficient information has been provided and his review supports conclusions of the following type, to be included in the staff's safety evaluation report:

PSAR Review

"The applicant's submittal concerning technical specifications has been reviewed by the staff. As required by Section 50.34 of 10 CFR Part 50, the applicant has provided an identification and justification for the selection of those variables, conditions or other items which are determined as a result of the preliminary safety analysis and evaluation to be probable subjects of technical specifications for the facility, with special attention given for those items which may significantly influence the final design.

We have reviewed the proposed technical specification items presented in Section 16.0 of the Preliminary Safety Analysis Report with the objective of identifying those items that would require special attention at the construction permit stage, to preclude the necessity for any significant change in design to support the final technical specifications. The proposed technical specifications items are similar to those developed by the staff as Standard Technical Specifications for plants of a similar design. We have not identified any items which require special attention at this stage of our review.

On this basis we have concluded that Section 50.34 of 10 CFR Part 50 has been met and that the proposed technical specifications items are acceptable."

FSAR Review

"The staff has concluded that the proposed technical specifications, as amended, satisfy the requirements of Sections 50.34 and 50.36 of 10 CFR Part 50. This conclusion is based on the finding that the technical specifications conform to the guidance developed by the staff for plants designed by the (NSSS vendor) as contained in NUREG-(number) with appropriate modifications for plant-specific considerations."

V. IMPLEMENTATION

The following is intended to provide guidance to applicants and licensees regarding the NRC staff's plans for using this SRP section.

Except in those cases in which the applicant proposes an acceptable alternative method for complying with specified portions of the Commission's regulations, the method described herein will be used by the staff in its evaluation of conformance with Commission regulations.

VI. REFERENCES

1. 10 CFR Section 50.34, "Contents of Applications."
2. 10 CFR Section 50.36, "Technical Specifications."
3. NUREG-0103, "Standard Technical Specifications for Babcock and Wilcox Pressurized Water Reactors."
4. NUREG-0212, "Standard Technical Specifications for Combustion Engineering Pressurized Water Reactors."
5. NUREG-0123, "Standard Technical Specifications for General Electric Boiling Water Reactors."
6. NUREG-0452, "Standard Technical Specifications for Westinghouse Pressurized Water Reactors."