

SRP 17.5 QA PROGRAM COMMITMENTS AND REFERENCES

U. QA PROGRAM COMMITMENTS

1 Regulatory Guides (RGs)

The reviewer shall verify that the applicant or holder commits to the appropriate revision of the RGs listed below. Exceptions or alternatives to the specific criteria in any of these RGs may be proposed by applicants or holders provided adequate justification is provided. The reviewer shall notify the NRR organization responsible for the applicable RG of any proposed exceptions or alternatives to the RG. The organization in NRR that is responsible for the RG shall evaluate any exceptions or alternatives. All commitments should be listed in the SER. Exceptions or alternatives should also be listed in the SER along with the NRR organization responsible for evaluating the exceptions or alternatives.

Regulatory Guides (RGs)	QAPD Section
a. RG 1.26, "Quality Group Classifications and Standards for Water-, Steam-, and Radioactive-Waste-Containing Components of Nuclear Power Plants"	Part III Regulatory Commitments
b. RG 1.29, "Seismic Design Classification"	Part III Regulatory Commitments
c. RG 1.54, "Service Level I, II, and III Protective Coatings Applied to Nuclear Power Plants"	Part III Regulatory Commitments
d. RG 1.97, "Instrumentation for Light-Water Nuclear Power Plants to Assess Plant and Environs Conditions During and Following an Accident"	Part III Regulatory Commitments
e. RG 1.143, "Design Guidance for Radioactive Waste Management Systems, Structures, and Components Installed in Light-Water-Cooled Nuclear Power Plants"	Part III Regulatory Commitments

Regulatory Guides (RGs)	QAPD Section
f. RG 1.152, "Criteria for Digital Computers in Safety Systems of Nuclear Power Plants"	Part III Regulatory Commitments
g. RG 1.168, "Verification, Validation, Reviews, and Audits for Digital Computer Software Uses in Safety Systems of Nuclear Power Plants"	Part III Regulatory Commitments
h. RG 1.169, "Configuration Management Plans for Digital Computer Software Used in Safety Systems of Nuclear Power Plants"	Part III Regulatory Commitments
i. RG 1.170, "Software Test Documentation for Digital Computer Software Used in Safety Systems of Nuclear Power Plants"	Part III Regulatory Commitments
j. RG 1.171, "Software Unit Testing for Digital Computer Software Used in Safety Systems of Nuclear Power Plants"	Part III Regulatory Commitments
k. RG 1.172, "Software Requirements Specifications for Digital Computer Software Used in Safety Systems of Nuclear Power Plants"	Part III Regulatory Commitments
l. RG 1.173, "Developing Software Life Cycle Processes for Digital Computer Software Used in Safety Systems of Nuclear Power Plants"	Part III Regulatory Commitments
m. RG 4.15, "Quality Assurance for Radiological Monitoring Programs (Normal Operations) - Effluent Streams and the Environment"	Need to add to Part III Regulatory Commitments
n. RG 7.10, "Establishing Quality Assurance Programs for Packaging Used in Transport of Radioactive Material"	Need to add to Part III Regulatory Commitments

2. Standards

The reviewer shall verify that the applicant or holder commits to the standards listed below. Exceptions or alternatives to the specific criteria in any of these standards may be proposed by applicants or holders provided adequate justification is provided. The reviewer shall notify the NRR organization responsible for the applicable standard of any proposed exceptions or alternatives to the standard. The organization in NRR that is responsible for the standard shall evaluate any exceptions or alternatives. All commitments should be listed in the SER. Exceptions or alternatives should also be listed in the SER along with the NRR organization responsible for evaluating the exceptions or alternatives.

Standards	QAPD Section
a. Subpart 2.1, "Quality Assurance Requirements for Cleaning of Fluid Systems and Associated Components for Nuclear Power Plants," ASME, NQA-1-1994 Edition, "Quality Assurance Requirements for Nuclear Facility Applications" (not applicable to operational QAPDs)	Part II Section 13
b. Subpart 2.2, "Quality Assurance Requirements for Packaging, Shipping, Receiving, Storage, and Handling of Items for Nuclear Power Plants," ASME NQA-1-1994 Edition (not applicable to operational QAPDs)	Part II Section 13
c. Subpart 2.4, "Installation, Inspection, and Testing Requirements for Power, Instrumentation, and Control Equipment at Nuclear Facilities," ASME NQA-1-1994 Edition	Part II Section 10
d. Subpart 2.5, "Quality Assurance Requirements for Installation, Inspection, and Testing of Structural Concrete, Structural Steel, Soils, and Foundations for Nuclear Power Plants," ASME NQA-1-1994 Edition	Part II Section 10
e. Subpart 2.7, "Quality Assurance Requirements of Computer Software for Nuclear Facility Applications," ASME NQA-1-1994 Edition	Part II Section 3 & Section 11

Standards	QAPD Section
f. Subpart 2.8, "Quality Assurance Requirements for Installation, Inspection, and Testing of Mechanical Equipment and Systems for Nuclear Power Plants," ASME NQA-1-1994 Edition	Part II Section 10
g. Subpart 2.15, "Quality Assurance Requirements for Hoisting, Rigging, and Transporting Items for Nuclear Power Plants," ASME NQA-1-1994 Edition (not applicable to operational QAPDs)	Part II Section 12 & Section 13
h. Subpart 2.20, "Quality Assurance Requirements for Subsurface Investigations for Nuclear Power Plants," ASME NQA-1-1994 Edition	Need to add to Part III Regulatory Commitments (QUESTION)
i. Nuclear Information and Records Management Association, Inc. (NIRMA) Technical Guide (TG) 11-1998, "Authentication of Records and Media"	Part II Section 17
j. NIRMA TG 15-1998, "Management of Electronic Records"	Part II Section 17
k. NIRMA TG 16-1998, "Software Configuration Management and Quality Assurance"	Part II Section 17
l. NIRMA TG 21-1998, "Electronic Records Protection and Restoration". Section 4, "Storage, Preservation, and Safekeeping," of Supplement 17S-1, "Supplementary Requirements for Quality Assurance Records," NQA-1-1994 Edition	Part II Section 17

SECTION II OF SRP 26 AREAS OF ACTIVITIES (A THROUGH Z)

Section II Activities	QAPD Section
A. ORGANIZATION	Part II Section 1
B. QUALITY ASSURANCE PROGRAM	Part II Section 2
C. DESIGN CONTROL AND VERIFICATION	Part II Section 3
D. PROCUREMENT DOCUMENT CONTROL	Part II Section 4
E. INSTRUCTIONS, PROCEDURES, AND DRAWINGS	Part II Section 5
F. DOCUMENT CONTROL	Part II Section 6
G. CONTROL OF PURCHASED MATERIAL, EQUIPMENT, AND SERVICES	Part II Section 7
H. IDENTIFICATION AND CONTROL OF MATERIALS, PARTS, AND COMPONENTS	Part II Section 8
I. CONTROL OF SPECIAL PROCESSES	Part II Section 9
J. INSPECTION	Part II Section 10
K. TEST CONTROL	Part II Section 11
L. CONTROL OF MEASURING AND TEST EQUIPMENT	Part II Section 12
M. HANDLING, STORAGE, AND SHIPPING	Part II Section 13

N. INSPECTION, TEST, AND OPERATING STATUS	Part II Section 14
O. NONCONFORMING MATERIALS, PARTS, OR COMPONENTS	Part II Section 15
P. CORRECTIVE ACTION	Part II Section 16
Q. RECORDS	Part II Section 17
R. AUDITS	Part II Section 18
S. TRAINING AND QUALIFICATION CRITERIA - QUALITY ASSURANCE	Part II Section 2
T. TRAINING AND QUALIFICATION - INSPECTION AND TEST	Part II Section 2
U. QA PROGRAM COMMITMENTS	Part III - Commitments Matrix
V. 10 CFR PART 21 AND 10 CFR PART 50.55(e) PROGRAMS FOR REPORTING DEFECTS AND NONCOMPLIANCE	Part II Section 4 & Section 16
W. COMMERCIAL GRADE DEDICATION	Part II Section 4
X. DIGITAL EQUIPMENT SOFTWARE VERIFICATION AND VALIDATION QUALITY CONTROLS	Part II Section 3
Y. NONSAFETY-RELATED SSC QUALITY CONTROLS	Part II Section 2
Z. INDEPENDENT REVIEW	Part II Section 2