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35101 QA Program Implementation Inspection for Operational Program		
	00101	10/03/07 (07-030)

35301	Preoperational Testing - Quality Assurance 08/06/03 (03-028)
35501	QA for the Startup Test Program 01/20/84 (84-04)
35701	Quality Assurance Program Review 09/17/01 (01-017)
35750	QA Program Measuring and Test Equipment 04/14/92 (reactivated 08-032)
35960	QA Program Evaluation of Engineering Organization 10/01/82 (reactivated 07-034)
35962	Reserved for Part 52 QA Program Evaluation of Engineering Service Organization

3600 Organization and Administration

Inspection of 10 CFR Parts 21 and 50.55(e) Programs for
Reporting Defects and Noncompliance 02/13/12 (12-002)
Inspection of 10 CFR Part 21 and Programs for Reporting Defects and
Noncompliance During Construction 02/13/12 (12-002)
Operational Staffing 07/01/77 (reactivated 08-032)
Part 52. Operational Staffing 08/19/08 (08-024)
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3700 Design, Design Changes, Modifications

37002 37051	Construction Refurbishment Process - Watts Bar Unit 2 02/05/10 (10-005) Verification of As-Builts 12/04/87 (reactivated 07-032)
37055	Onsite Design Activities 04/01/83 (reactivated 07-032)
37060	Inspections under the 10CFR Part 50.69 Special Program
	09/14/11 (11-016)
37301	Comparison of As-Built Plant to FSAR Description 03/14/14 (14-008)
37700	Design Changes, and Modifications 09/17/01 (01-017)
37801	Safety Reviews, Design Changes, and Modifications at
	Permanently Shutdown Reactors 08/11/97 (97-012)
37803	Reserved
37804	Aircraft Impact Assessment Inspection 02/09/12 (12-001)
37805	Engineering Design Verification Inspections 04/25/11 (11-007)

- 3800 Procurement
- 3900 Records
 - 39701 Records Program 09/17/01 (01-017)

4000 Review and Audit

40001	Resolution of Employee Concerns 06/03/97 (97-006)
40002	Inspections to Review Allegations 06/28/02 (02-024)
40100	Independent Safety Culture Assessment Follow-up 04/09/15 (15-005)
40505	Reserved for Effectiveness of Process to Identify, Resolve, and Prevent
	Construction Problems
40600	Licensee Program for Inspections, Tests, Analyses,
	and Acceptance Criteria (ITAAC) Management 07/28/14 (14-017)
40801	Self-Assessment, Auditing, and Corrective Action at Permanently
	Shutdown Reactors 08/11/97 (97-012)

4100 Training

41301	Pre-Licensing Review of Training and Qualification Programs 02/18/87 (reactivated 08-032)
41500	Training and Qualification Effectiveness 06/13/95 (95-007)
41501	Part 52, Review of Training and Qualification Programs 04/25/11 (11-007)
41502	Nuclear Power Plant Simulation Facilities 10/16/12 (12-024)

4200 Procedures

42001	Emergency Operating Procedures 06/28/91 (91-009)
42051	Fire Prevention and Protection 10/01/77 (reactivated 08-004)
42401	Part 52, Plant Procedures10/27/10 (10-022)
42453	Part 52, Operating Procedures Inspection 08/19/08 (08-024)
42454	Part 52, Emergency Operating Procedures 09/09/13 (13-020)
42700	Plant Procedures 11/15/95 (95-015)

4300 Vendor Procedures

43002	Routine Inspections of Nuclear Vendors 07/15/13 (13-015)
43003	Reactive Inspections of Nuclear Vendors 10/03/13 (13-024)
43004	Inspection of Commercial-Grade Dedication Programs 11/29/13 (13-027)
43005	NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 10/08/15 (15-019)

4400 <u>Reserved</u>

4500 Geotechnical/Foundation

45051 45051.A	Geotechnical/Foundation Activities Procedure Review 05/29/03 (03-018) Geotechnical/Foundation Activities Procedure Review 03/23/84 (reactivated 08-004)
45052	Review of Geotechnical and Site Characterization Activities 10/03/07 (07-030)
45053	Geotechnical/Foundation Activities Work Observation 03/23/84 (reactivated 07-034)
45055	Geotechnical/Foundation Activities Record Review 03/23/84 (reactivated 07-034)

4600 Structural Concrete

46051	Structural Concrete Procedure Review 07/01/83 (reactivated 07-034)
46053	Structural Concrete Work Observation 07/01/83 (reactivated 07-034)
46055	Structural Concrete Record Review 07/01/83 (reactivated 07-034)
46061	Structural Masonry Construction 12/17/86 (reactivated 07-034)
46071	Concrete Expansion Anchors 12/17/86 (reactivated 07-034)

4700 Containment (Post-Tensioning)

4800 Structural Steel and Supports

48051	Structural Steel and Supports Procedure Review 12/17/86 (reactivated 07-032)
48053	Structural Steel and Supports Work Observation 12/17/86 (reactivated 07-032)
48055	Structural Steel and Supports Record Review 07/01/83 (reactivated 07-032)

4900 Piping

49001	Inspection of Erosion/Corrosion Monitoring Programs 12/11/98 (98-019)
49051	Reactor Coolant Pressure Boundary Piping QA Review 08/16/82 (reactivated 07-032)
49053	Reactor Coolant Pressure Boundary Piping – Work Observation 11/19/85 (reactivated 07-032)
49055	Reactor Coolant Pressure Boundary Piping Record Review 08/16/82 (reactivated 07-034)
49061	Safety-Related Piping 10/01/82 (reactivated 07-034)

49063	Piping – Work Observation 11/19/85 (reactivated 07-034)
49065	Safety-Related Piping-Records Review 10/01/82
	(reactivated 07-034)

5000 Mechanical Components and Equipment

50001	Steam Generator Replacement Inspection 11/08/11 (11-031)
50002	Steam Generators 12/31/96 (96-024)
50003	Pressurizer Replacement Inspection 07/07/05 (05-018)
50051	Reactor Vessels and Internals QA Review 08/16/82 (reactivated 07-034)
50053	Reactor Vessel and Internals Work Observation 08/16/82 (reactivated 07-034)
50054	Reactor Vessel Material Surveillance Program 12/04/08 (08-034)
50055	Reactor Vessel and Internals Record Review 08/16/82 (reactivated 07-034)
50054	Reserved for Reactor Vessel Material Surveillance Program
50071	(Safety-Related Components – Procedure Review 04/01/83 (reactivated 07-034)
50073	Mechanical Components – Work Observation 11/19/85 (reactivated 07-034)
50075	Safety Related Components – Records Review 04/01/83 (reactivated 07-034)
50090	Pipe Support and Restraint Systems 08/06/03 (03-028)
50095	Spent Fuel Storage Racks 03/14/94 (reactivated 07-034)
50100	Heating, Ventilating, and Air Conditioning Systems 08/06/03 (03-028)

5100 Electrical Components and Systems

51051	Electrical Components and Systems – Procedure Review 03/30/84 (reactivated 07-034)
51053	Electrical Components and systems - Work Observation 08/06/03 (03-028)
51055	Electrical Components and Systems - Record Review 08/06/03 (03-028)
51061	Electrical Cable - Procedure Review 08/06/03 (03-028)
51063	Electric Cable – Work Observation 11/19/85 (reactivated 07-034)
51065	Electric Cable – Record Review 03/30/84 (reactivated 07-034)
51080	Equipment Qualification 11/07/11 (11-029)

5200 Instrumentation Systems and Components

52003	Digital Instrumentation and Control Modification Inspection
	10/31/08 (08-031)
52051	Instrument Components and Systems – Procedure Review 03/30/84 (reactivated 07-034)

52053	Instrument Components and Systems – Work Observation 03/30/84 (reactivated 07-034)
52055	Instrument Components and Systems – Record Review 03/30/84 (reactivated 07-034)

5300 Containment Penetrations

53051	Containment Penetrations (Mechanical) Procedure Review 01/27/84 (reactivated 07-034)
53053	Containment Penetrations (Mechanical) Work Observation 01/27/84 (reactivated 07-034)
53055	Containment Penetrations (Mechanical) Record Review 01/17/84 (reactivated 07-034)

- 5400 <u>Cleanliness</u>
- 5500 Welding

55050	Nuclear Welding General Inspection Procedure 06/20/83 (83-06)
55093	Reactor Vessels Internals (Welding) Observation of Welding and
	Associated Activities 07/01/7 (reactivated 07-034)
55100	Structural Welding General Inspection Procedure 06/20/83 (83-06)
55150	Weld Verification Checklist 06/20/83 (reactivated 07-034)

- 5600 Calibration
 - 56700 Calibration 03/23/05 (05-008)
- 5700 Nondestructive Examination, Destructive Examination and Fabrication Testing

57050	Visual Testing Examination 03/09/99 (99-003)
57060	Liquid Penetrant Testing Examination 03/09/99 (99-003)
57070	Magnetic Particle Testing Examination 03/09/99 (99-003)
57080	Ultrasonic Testing Examination 03/09/99 (99-003)
57090	Nondestructive Examination Procedure Radiographic
	Examination Procedure Review/Work Observation/Record

Review 06/14/93 (93-005)

5800 Special Processes

5900 <u>Reserve Shutdown System</u>

6000 Fuel Fabrication, Handling and Storage

60501	Fuel Receipt and Storage 04/30/75 (reactivated 08-032)
60705	Preparation for Refueling 07/27/95 (95-009)
60710	Refueling Activities 07/27/95 (95-009)
60715	Reserved for Spent Fuel Safety at Operating Reactors
60801	Spent Fuel Pool Safety at Permanently Shutdown Reactors
	08/11/97 (97-012)
60845	Operation of Intra-Unit Fuel Transfer Canister and Cask System
	04/26/12 (12-007)
60851	Design Control of ISFSI Components 01/16/08 (08-003)
60852	ISFSI Component Fabrication by Outside Fabricators 01/16/08 (08-003)
60853	On-Site Fabrication of Components and Construction of an
	ISFSI 01/16/08 (08-003)
60854	Preoperational Testing of an Independent Spent Fuel Storage Installation
	01/16/08 (08-003)
60854.1	Preoperational Testing of Independent Spent Fuel Storage
	Facility Installation at Operating Plants 09/05/06 (06-022)
60855	Operation of an Independent Spent Fuel Storage Installation
	01/16/08 (08-003)
60855.1	Operation of an Independent Spent Fuel Storage Installation at
	Operating Plants 09/05/06 (06-022)
60856	Review of 10 CFR 72.212(b) Evaluations 03/05/08 (08-010)
60856.1	Review of 10 CFR 72.212(b) Evaluations at Operating Plants
	02/02/04 (04-003)
60857	Review of 10 CFR 72.48 Evaluations 10/24/07 (07-033)
60858	Away-From-Reactor ISFSI Inspection Guidance 05/03/07 (07-015)
60859	Reserved for Welding Verification Checklist for Transportation and ISFSI
	Components
60860	Reserved for Nondestructive Examination Procedure Visual Examination
	Procedure Review/Work Observation/Record Review of Transportation
	and ISFSI Components
60861	Reserved for Nondestructive Examination Procedure Liquid Penetrant
	Examination Procedure Review/Work Observation/Record Review of
	Transportation ISFSI Components
60862	Reserved for Nondestructive Examination Procedure Magnetic Particle
	Examination Procedure Review/Work Observation/Record Review of
	Transportation ISFSI Components
60863	Reserved for Nondestructive Examination Procedure Ultrasonic
	Examination Procedure Review/Work Observation/Record Review
60864	Reserved for Nondestructive Examination Procedure Radiographic
	Examination Procedure Review/Work Observation/Record Review of
	Transportation and ISFSI Components

6100 Surveillance

61705	Calibration of Nuclear Instrumentation Systems 05/12/86 (86-25)
61706	Core Thermal Power Evaluation 07/14/86 (86-36)
61707	Determination of Reactor Shutdown Margin 10/11/85 (85-31)
61708	Isothermal and Moderator Temperature Coefficient
	Determinations 10/11/85 (85-31)
61709	Total Power Coefficient of Reactivity at Pressurized
	Water Reactors 07/14/86 (86-36)
61710	Control Rod Worth Measurements (PWR) 10/11/85 (85-31)
61715	Verification of Containment Integrity 12/23/86 (86-60)
61720	Containment Local Leak Rate Testing 10/03/85 (85-30)
61726	Surveillance Observations 06/24/98 (98-010)
61728	Independent Measurement of RCS Leak Rates for a PWR
	01/01/84 (84-02)
61709 61710 61715 61720 61726	Isothermal and Moderator Temperature Coefficient Determinations 10/11/85 (85-31) Total Power Coefficient of Reactivity at Pressurized Water Reactors 07/14/86 (86-36) Control Rod Worth Measurements (PWR) 10/11/85 (85-31) Verification of Containment Integrity 12/23/86 (86-60) Containment Local Leak Rate Testing 10/03/85 (85-30) Surveillance Observations 06/24/98 (98-010) Independent Measurement of RCS Leak Rates for a PWR

6200 Maintenance

62002	Inspection of Structures, Passive Components, and Civil Engineering Features at Nuclear Power Plants 12/31/96 (96-024)
62003	Inspection of Steel and Concrete Containments at Nuclear Power Plants 06/11/97 (97-008)
62706	Maintenance Rule 12/13/00 (00-028)
62708	Motor-Operated Valve Capability 10/23/13 (13-026)
62709	Configuration Risk Assessment and Risk Management Process 12/28/00 (00-029)
62710	Power-Operated Gate Valve Pressure Locking and Thermal Binding 04/30/10 (10-013)
62711	Reserved for Operational Reliability Assurance Process
62712	Part 52, Maintenance Rule 08/13/13 (13-017)
62801	Maintenance and Surveillance at Permanently Shutdown Reactors 08/11/97 (97-012)

6300 Construction Testing

63050 Containment Structural Integrity Test 07/01/83 (reactivated 07-034)

6400 Fire Prevention/Protection

64051	Procedures – Fire Prevention/Protection 07/01/79
	(reactivated 07-034)
64053	Fire Loop Installation 07/01/79 (reactivated 07-034)

64100	Postfire Safe Shutdown, Emergency Lighting and Oil Collection Capability
	at Operating and Near-Term Operating Reactor Facilities 03/16/87
	(reactivated 10-009)

- 64102 Reserved for Part 52 Post fire Safe Shutdown, Emergency Lighting and Oil Collection Capabilities
- 64704 Fire Protection Program 06/24/98 (98-010)
- 64705 Part 52, Fire Protection Operational Program 10/03/07 (07-030)

6500 10 CFR Part 52 ITAAC Inspections

65001	Inspections of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Related Work 08/13/13 (13-017)
65001.01	Inspection of ITAAC-Related Foundations & Buildings 04/18/14 (14-010)
65001.02	Inspection of ITAAC-Related Installation of Structural Concrete 11/22/11 (11-037)
65001.03	Inspection of ITAAC-Related Installation of Piping 08/19/08 (08-024)
65001.04	Inspection of ITAAC-Related Installation of Pipe Supports and Restraints 08/13/14 (14-018)
65001.05	Inspection of ITAAC-Related Installation of Reactor Pressure Vessel and Internals 08/19/08 (08/19/08)
65001.06	Inspection of ITAAC-Related Installation o Mechanical Components 01/27/15 (15-001)
65001.07	Inspection of ITAAC-Related Installation of Valves 07/29/08 (08-021)
65001.08	Inspection of ITAAC-Related Installation of Electric Components and Systems 08/19/08 (08-024)
65001.09	Inspection of ITAAC-Related Installation of Electric and Fiber Optic Cable 08/05/09 (09-019)
65001.10	Inspection of ITAAC-Related Installation of Instrument Components and Systems 10/20/08 (08-029)
65001.11	Construction Inspection Program Inspection of ITAAC-Related Containment Integrity and Containment Penetration 08/19/08 (08-024)
65001.12	Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air Conditioning Systems 07/29/08 (08-021)
65001.13	Inspection of ITAAC-Related Installation of Load Handling Equipment and Fuel Racks 08/05/09 (09-019)
65001.14	Inspection of ITAAC-Related Installation of Complex Systems with Multiple Components 06/24/15 (15-012)
65001.15	Inspection of ITAAC-Related Installation of Fire Protection Equipment 07/01/08 (08-019)
65001.16	Inspection of ITAAC-Related Engineering 06/20/14 (14-013)
65001.17	Inspection of ITAAC-Related Security Structures, Systems, and Components 10/15/09 (09-024)
65001.18 65001.19	Inspection of Emergency Planning ITAAC 10/30/08 (08-030) Inspection of Installation of ITAAC-Related Radiation Monitoring Components and Systems 10/20/08 (08-029)

65001.20	Inspection of Safety-Related Piping Design Acceptance Criteria (DAC)- Related ITAAC 06/02/11 (11-009)
65001.21	Inspection of Pipe Rupture Hazard Analysis Design Acceptance Criteria
	(DAC) – Related ITAAC 11/07/11 (11-029)
65001.22	Inspection of Digital Instrumentation and Control (DI&C) System/Software
	Design Acceptance Criteria (DAC) – Related ITAAC 12/19/11 (11-041)
65001.23	Inspection of Human Factors Engineering Integrated System Validation
	ITAAC 12/22/14 (14-031)
65001.23, App	A Inspection Guide for AP1000 Human Factors Engineering Integrated
	System Validation 12/22/14 (14-031)
65001.A	ITAAC Attributes for As-Built Inspection 09/25/13 (13-023)
65001.B	Inspection of the ITAAC-Related Welding Program 09/25/13 (13-023)
65001.C	Inspection of the ITAAC-Related Construction Test Program
	04/18/14 (14-010)
65001.D	Inspection of the ITAAC-Related Operational Testing Program
	05/09/14 (14-011)
65001.E	Inspection of the ITAAC-Related Qualification Program 06/20/14 (14-013)
65001.F	Inspection of the ITAAC-Related Design and Fabrication Requirements
	09/20/13 (13-022)
65051	Low-Level Radioactive Waste Storage Facilities 06/13/86
	(reactivated 07-034)

- 6600 <u>Reserved</u>
- 6700 <u>Reserved</u>
- 6800 <u>Reserved</u>

6900 Non-Power Reactor Inspection

69001	Class II Research and Test Reactors 02/03/04 (04-004)
69002	Class III Research and Test Reactors 02/03/04 (04-004)
69003	Class I Research and Test Reactor Operator Licenses,
	Regualification, and Medical Examinations 02/03/04 (04-004)
69004	Class I Research and Test Reactor Effluent and Environmental
	Monitoring 02/03/047 (04-004)
69005	Class I Research and Test Reactor Experiments 02/03/04 (04-004)
69006	Class I Research and Test Reactors Organization and Operations and Maintenance Activities 02/03/04 (04-004)
69007	Class I Research and Test Reactor Review and Audit and Design Change Functions 02/03/04 (04-004)
69008	Class I Research and Test Reactor Procedures 02/03/04 (04-004)
69009	Class I Research and Test Reactor Fuel Movement 02/03/04 (04-004)
69010	Class I Research and Test Reactor Surveillance 02/03/04 (04-004)
69011	Class I Research and Test Reactor Emergency Preparedness
09011	02/03/04 (04-004)
69012	Class I Research and Test Reactors Radiation Protection 02/03/04 (04-004)
69013	Research and Test Reactor Decommissioning 02/03/04 (04-004)
69020	Reserved for Inspections of Structures, Systems And Components During Construction of Radioisotope Production Facilities
69021	Reserved for Inspections of Quality Assurance Program Implementation
	During Construction of Radioisotope Production Facilities
69022	Reserved for Inspections of Operational Readiness During Construction of Radioisotope Production Facilities

7000 Preoperational Testing

70300	Preoperational Test Procedure Test Review 10/01/83 (reactivated 08-032)
70301	Overall Preoperational Test Program Review Requirements 10/01/83 (reactivated 08-032)
70302	Preoperational Test Program Implementation 10/01/83 (reactivated 08-032)
70304	Engineered Safety Features Test - Preoperational Test Procedure Review 08/06/03 (03-028)
70305	Reactor Protection System Test Preoperational Test Procedure Review Preoperational Testing Procedure Verification 01/01/79 (reactivated 08-032)
70306	Loss of Offsite Power Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70307	Containment Integrated Leak Rate Test - Procedure Review 03/07/86 (86-13)

70308	Preoperational Hot Functional Testing - PWR Procedure Review) 10/01/83 (reactivated 08-032)
70311	Preoperational Testing Procedure Verification 10/01/83
	(reactivated 08-032)
70312	Preoperational Test Witnessing 10/01/83 (reactivated 08-032)
70313	Containment Integrated Leak Rate Test 11/12/85 (85-36)
70314	HFT Witnessing 10/01/81 (reactivated 08-032)
70315	Engineered Safety Features Test Preoperational Test Witnessing) 01/01/79 (reactivated 08-032)
70316	Loss of Offsite Power Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032)
70317	Reactor Protection System Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032)
70323	Containment Leak Rate Test Results Evaluation 10/03/85 (85-30)
70324	Preoperational Test Results Evaluation - Integrated Hot Functional Test 04/01/77 (reactivated 08-032)
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