

NRC INSPECTION MANUAL

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35032 RESERVED for Pre-Docketing Design Certification Quality Assurance Controls Inspection
35033 RESERVED for Post-Docketing Design Certification Quality Assurance Controls Inspection
35034 Design Certification Testing Inspection 03/23/20 (20-017)
35101 QA Program Implementation Inspection for Operational Programs 07/08/16 (16-015)
35710 Quality Assurance Inspection of Software Used in Nuclear Applications 01/30/18 (18-002)
35962 RESERVED for Part 52 QA Program Evaluation of Engineering Service Organization

3600 Organization and Administration

36100 Inspection of 10 CFR Part 21 and Programs for Reporting Defects and Noncompliance 05/16/19 (19-015)
36100.01 Inspection of 10 CFR 50.55(e) Programs for Reporting Defects and Noncompliance During Construction 11/13/19 (19-035)
36302 Part 52. Operational Staffing 08/19/08 (08-024)

3700 Design, Design Changes, Modifications

37060 10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection 11/29/21 (21-038)
37700 Design Changes and Modifications 09/17/01 (01-017) R
37801 Safety Reviews, Design Changes, and Modifications at Permanently Shutdown Reactors 09/09/20 (20-041)

37803	RESERVED
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37805	Engineering Design Verification Inspections 04/08/20 (20-020)
3800	<u>Procurement</u>
3900	<u>Records</u>
4000	<u>Review and Audit</u>
40002	Inspections to Review Allegations 06/28/02 (02-024)
40100	Independent Safety Culture Assessment Followup 07/26/18 (18-022)
40505	RESERVED for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems
40600	Licensee Program for Managing Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Closure 05/29/20 (20-025)
40801	Problem Identification and Resolution at Permanently Shutdown Reactors 08/11/97 (97-012)
4100	<u>Training</u>
41500	Training and Qualification Effectiveness 06/13/95 (95-007) R
41501	Part 52, Review of Training and Qualification Programs 06/04/19 (19-018)
41502	Nuclear Power Plant Simulation Facilities 10/16/12 (12-024)
4200	<u>Procedures</u>
42001	Emergency Operating Procedures 06/28/91 (91-009) R
42401	Part 52, Plant Procedures 10/27/10 (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) R
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43003	Reactive Inspections of Nuclear Vendors 04/08/20 (20-020)
43004	Inspection of Commercial-Grade Dedication Programs 01/27/17 (17-002)
43005	NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 10/08/15 (15-019)
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4400	<u>Reserved</u>	
4500	<u>Geotechnical/Foundation</u>	
45052	Review of Geotechnical and Site Characterization Activities	10/03/07 (07-030)
4600	<u>Structural Concrete</u>	
4700	<u>Containment (Post-Tensioning)</u>	
4800	<u>Structural Steel and Supports</u>	
4900	<u>Piping</u>	
49001	Inspection of Erosion-Corrosion / Flow-Accelerated-Corrosion Monitoring Programs	12/11/98 (98-019) R
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50001	Steam Generator Replacement Inspection	09/12/17 (17-018)
50002	Steam Generators	12/31/96 (96-024) R
50003	Pressurizer Replacement Inspection	09/12/17 (17-018)
50054	Reactor Vessel Material Surveillance Program	12/04/08 (08-034)
50056	RESERVED for Reactor Vessel Material Surveillance Program	
5100	<u>Electrical Components and Systems</u>	
51080	Part 52, Environmental Qualification (EQ) Program for Electrical and Mechanical Equipment	06/26/17 (17-013)
5200	<u>Instrumentation Systems and Components</u>	
52003	Digital Instrumentation and Control Modification Inspection	07/09/21 (21-023)
5300	<u>Containment Penetrations</u>	
5400	<u>Cleanliness</u>	
5500	<u>Welding</u>	
55050	Nuclear Welding General Inspection Procedure	06/20/83 (83-06) R

55100	Structural Welding General Inspection Procedure 06/20/83 (83-06) R
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5700	<u>Nondestructive Examination, Destructive Examination and Fabrication Testing</u>
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57060	Liquid Penetrant Testing Examination 03/09/99 (99-003) R
57070	Magnetic Particle Testing Examination 03/09/99 (99-003) R
57080	Ultrasonic Testing Examination 03/09/99 (99-003) R
57090	Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review 06/14/93 (93-005) R
5800	<u>Special Processes</u>
5900	<u>Reserve Shutdown System</u>
6000	<u>Fuel Fabrication, Handling and Storage</u>
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60710	Refueling Activities 07/27/95 (95-009) R
60715	Spent Fuel Pool Safety at Operating Reactors 09/16/20 (20-043)
60801	Spent Fuel Pool Maintenance, Surveillance, and Safety at Permanently Shutdown Reactors 09/09/20 (20-041)
60845	Operation of Inter-Unit Fuel Transfer Canister and Cask System 05/16/19 (19-015)
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60852	ISFSI Component Fabrication by Outside Fabricators 01/16/08 (08-003)
60853	On-Site Fabrication of Components and Construction of an Independent Spent Fuel Storage Installation 09/11/20 (20-042)
60854	Preoperational Testing of an Independent Spent Fuel Storage Installation 10/20/20 (20-052)
60855	Operation of an Independent Spent Fuel Storage Installation 11/25/20 (20-065)
60856	Review of 10 CFR 72.212(b) Evaluations 10/20/20 (20-052)
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60858	Away-From-Reactor Independent Spent Fuel Storage Installation Inspection Guidance 11/12/20 (20-062)
60859	RESERVED for Initial Review of Aging Management Programs at Independent Spent Fuel Storage Installations
60860	RESERVED for Welding Verification Checklist for Transportation and ISFSI Components

60861	RESERVED for Nondestructive Examination Procedure Visual Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components
60862	RESERVED for Nondestructive Examination Procedure Liquid Penetrant Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
60863	RESERVED for Nondestructive Examination Procedure Magnetic Particle Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
60864	RESERVED for Nondestructive Examination Procedure Ultrasonic Examination Procedure Review/Work Observation/Record Review
60865	RESERVED for Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components
6100	<u>Surveillance</u>
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61706	Core Thermal Power Evaluation 07/14/86 (86-36) R
61707	Determination of Reactor Shutdown Margin 10/11/85 (85-31) R
61708	Isothermal and Moderator Temperature Coefficient Determinations 10/11/85 (85-31) R
61709	Total Power Coefficient of Reactivity at Pressurized Water Reactors 07/14/86 (86-36) R
61710	Control Rod Worth Measurements for Pressurized Water Reactors 10/11/85 (85-31) R
61715	Verification of Containment Integrity 12/23/86 (86-60) R
61720	Containment Local Leak Rate Testing 10/03/85 (85-30) R
61726	Surveillance Observations 06/24/98 (98-010) R
61728	Independent Measurement of RCS Leak Rates for a PWR 01/01/84 (84-02) R
6200	<u>Maintenance</u>
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62003	Inspection of Steel and Concrete Containment Structures at Nuclear Power Plants 06/11/97 (97-008) R
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62709	Configuration Risk Assessment and Risk Management Process 12/28/00 (00-029) R
62710	Power-Operated Gate Valve Pressure Locking and Thermal Binding 04/30/10 (10-013) R
62711	RESERVED for Operational Reliability Assurance Process
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6400 Fire Prevention/Protection

- 64102 RESERVED for Part 52 Post fire Safe Shutdown, Emergency Lighting and Oil Collection Capabilities
- 64704 Fire Protection Program at Permanently Shutdown Reactors 11/05/20 (20-059)
- 64705 Part 52, Fire Protection Operational Program 06/04/19 (19-018)

6500 10 CFR Part 52 ITAAC Inspections

- 65001 Inspections of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Related Work 08/13/13 (13-017)
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- 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 of 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)
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- 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)
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- 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)
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- 65001.18 Inspection of Emergency Planning ITAAC 10/30/08 (08-030)
- 65001.19 Inspection of Installation of ITAAC-Related Radiation Monitoring Components and Systems 10/20/08 (08-029)
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65001.21	Inspection of Pipe Rupture Hazards Analyses (Inside and Outside Containment) Design Acceptance Criteria (DAC)-Related ITAAC 11/07/11 (11-029)
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6700	<u>Reserved</u>
6800	<u>Reserved</u>
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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)
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69008	Class I Research and Test Reactor Procedures 02/03/04 (04-004)
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- 69020 Inspections of Safety-Related Items (and Services) During Construction of Non-Power Production and Utilization Facilities 12/14/15 (15-029)
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- 70369 RESERVED for Part 52 Containment Leak Rate Testing
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- 71004 Power Uprate 05/15/17 (17-010)
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71114.06	Drill Evaluation 07/21/16 (16-017)
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71130.02	Access Control 09/30/16 (16-024)
71130.03	Contingency Response - Force-On-Force Testing 02/08/21 (21-008)
71130.04	Equipment Performance, Testing and Maintenance 09/30/16 (16-024)
71130.05	Protective Strategy Evaluation and Performance Evaluation Program 12/10/18 (18-042)
71130.06	Protection of Safeguards Information 09/30/16 (16-024)
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71303	Part 52, Technical Specifications Review 07/08/20 (20-031)
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72304	AP1000 Startup Test Inspections 02/28/19 (19-009)
72401	Part 52, Inspection of Startup Test Program 12/07/20 (20-069)
72501	RESERVED for Part 52 Initial Fuel Load Procedure Review
72525	RESERVED for Part 52 Initial Fuel Load Witnessing
72701	Modification Testing 04/14/92 (92-004) R

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73051	Inservice Inspection – Review of Program 01/14/86 (86-003) R
73052	In-service Inspection - Review of Procedures 01/14/86 (86-03) R
73054	Part 52, Preservice and Inservice Inspection - Review of Program 03/04/20 (20-013)
73753	Inservice Inspection 06/24/98 (98-010) R
73754	Part 52 - Preservice Inspection - Non-Destructive Examination 09/23/19 (19-029)
73755	Inservice Inspection - Data Review and Evaluation 10/27/10 (10-022) R
73756	In-service Testing of Pumps and Valves 07/27/95 (95-009) R
73757	Part 52 In-service Inspection - Data Review and Evaluation 09/23/19 (19-029)
73758	Part 52, Functional Design and Qualification, and Preservice and Inservice Testing Programs for Pumps, Valves and Dynamic Restraints 02/06/20 (20-007)

7400 Reserved

7500 Reserved

7600 Reserved

7700 Reserved

7800 High Level Waste

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7900 Water Chemistry

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79504	RESERVED for Part 52 Plant systems Affecting Plant Water Chem.
79702	Control and Monitoring of Radiological Source Term 04/17/00 (00-006) R

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- 80211 RESERVED for Part 52 Environmental Protection - Initial & Periodic Inspection
- 80522 Part 52, Radiological Environmental Monitoring Program (REMP) 05/07/20 (20-024)
- 80600 RESERVED for Independent Assessment of Site Radiological Conditions

8100 Physical Security

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- 81000.01 Access Authorization 04/01/19 (19-011)
- 81000.02 Access Control 04/01/19 (19-011)
- 81000.03 Performance Evaluation Program 09/07/12 (12-020)
- 81000.04 Equipment Performance, Testing and Maintenance 07/01/19 (19-020)
- 81000.05 Protective Strategy Evaluation 09/24/19 (19-030)
- 81000.06 Protection of Safeguards Information 02/13/19 (19-007)
- 81000.07 Security Training 09/24/19 (19-030)
- 81000.08 Fitness-for-Duty (FFD) Operational Program 09/07/12 (12-020)
- 81000.09 Cyber Security Inspection for Construction 09/30/16 (16-025)
- 81000.10 Security Organization, Management Effectiveness, Program Reviews and Audits 09/07/12 (12-020)
- 81000.11 Material Control and Accounting (MC&A) 09/07/12 (12-020)
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- 81120 Inspection Requirements and Guidance for Additional Security Measures for the Physical Protection in Transit for Radioactive Material Quantities of Concern 04/01/10 (10-010) (Note this IP contains safeguards material)
- 81200 Security 07/28/20 (20-035)
- 81200.01 Access Authorization for Decommissioning Nuclear Power Reactors 05/07/20 (20-024)
- 81200.02 Access Control for Decommissioning Nuclear Power Reactors 10/16/20 (20-051)
- 81200.03 RESERVED for Decommissioning Force-on-Force Testing
- 81200.04 Equipment Performance, Testing, and Maintenance for Decommissioning Nuclear Power Reactors 01/05/21 (21-001)
- 81200.05 Protective Strategy Evaluation and Performance Evaluation Program for Decommissioning Nuclear Power Reactors 01/05/21 (21-001)
- 81200.06 Protection of Safeguards Information for Decommissioning Nuclear Power Reactors 01/05/21 (21-001)
- 81200.07 Security Training for Decommissioning Nuclear Power Reactors 04/01/21 (21-017)
- 81200.08 RESERVED for Decommissioning Fitness for Duty Program
- 81200.09 Security Plan Changes for Decommissioning Power Reactors 02/18/21 (21-009)
- 81200.10 RESERVED for Decommissioning Cyber Security
- 81200.11 RESERVED for Decommissioning Material Control and Accounting
- 81200.14 Review of Decommissioning Target Sets 01/05/21 (21-001)
- 81310 Physical Protection of Shipments of Irradiated Fuel 12/22/08 (08-037)

81311	Physical Security Requirements for Independent Spent Fuel Storage Installations 10/06/20 (20-048)
81335	Physical Protection of Shipments of Special Nuclear Material of Moderate Strategic Significance (SNM-MSS) 12/02/09 (09-029)
81340	Physical Protection of Shipments of Special Nuclear Material of Low Strategic Significance (SNM-LSS) 11/23/09 (09-028)
81360	General Requirements for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 12/02/09 (09-029)
81365	Records, Reports, and Planning for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 11/23/09 (09-028)
81370	Specific Requirements for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 12/22/08 (08-037)
81402	Reporting of Safeguards Events 11/23/09 (09-028)
81421	Fixed Site Physical Protection of Special Nuclear Material of Moderate Strategic Significance 11/23/09 (09-028)
81431	Fixed Site Physical Protection of Special Nuclear Material of Low Strategic Significance 10/24/12 (12-025)
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81505	Protection of Safeguards Information for Construction 02/13/19 (19-007)
81601	Fixed Site Physical Protection of Formula Quantities of Strategic Special Nuclear Material – Non-Power Reactors 03/13/20 (20-015)
81602	Fixed Site Physical Protection of Special Nuclear Material of Moderate Strategic Significance – Non-Power Reactors 03/13/20 (20-015)
81603	Fixed Site Physical Protection of Special Nuclear Material of Low Strategic Significance – Non-Power Reactors 03/13/20 (20-015)
81606	Material Control and Accounting – Non-Power Reactors 03/13/20 (20-015)
81607	Protection of Safeguards Information and Safeguards Information Modified Handling – Non-Power Reactors 03/13/20 (20-015)
81608	Reporting of Safeguards Events – Non-Power Reactors 03/13/20 (20-015)
81612	In Transit Physical Protection of Special Nuclear Material of Moderate Strategic Significance and Receipt of New Reactor Fuel – Non-Power Reactors 03/13/20 (20-015)
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- 9900 Technical Guidance 05/12/86 (86-26)

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- ASME Section III & XI American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section III & XI 11/12/96 (96-022)
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- STS Sec 1.0 Operability 05/12/86 (86-26)
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² [XXXX.XX] attached to each document in Part 9900, is the file name for that document.

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