

## SRP Update Program

SRP Section	Section Title	Category	Target for SRP technically complete*	Target Issuance public comment (N/A if no)	Target Final Issuance date	Comments
1.8	Interfaces for Standard Designs	1	Jun-06	Sep-06	Mar-07	This is a cross-cutting section related to DC reviews and COL referencing DCs.
2.0	Site Parameter Envelope [new]	1	Jun-06	Sep-06	Apr-07	Identified in the 1996 Draft SRP Table of Contents as a future SRP Section 2.3.6. Will be coordinated with SRP Section 14.3.1
2.1.1	Site Location and Description	1	Oct-06	N/A	Jan-07	Update limited in scope, will include relevant portion of RS-002
2.1.2	Exclusion Area Authority and Control	1	Oct-06	N/A	Jan-07	Update limited in scope, will include relevant portion of RS-002; see NRC letter dated Aug. 27, 2003, (ML032120350) for additional information;
2.1.3	Population Distribution	1	Oct-06	N/A	Jan-07	Update limited in scope, will include relevant portion of RS-002
2.2.1-2.2.2	Identification of Potential Hazards in Site Vicinity	1	Oct-06	N/A	Jan-07	Update limited in scope, will include relevant portion of RS-002
2.2.3	Evaluation of Potential Accidents	1	Oct-06	N/A	Jan-07	Update limited in scope, will include relevant portion of RS-002
2.3.1	Regional Climatology	1	Oct-05	01/26/06	Jul-06	Revision coordinated with SRP Section 3.5.1.4 and RG 1.76 revisions
2.3.2	Local Meteorology	1	Sep-06	N/A	Dec-06	Administrative Update, will include 10 CFR Part 52 licensing and relevant portion of RS-002
2.3.3	Onsite Meteorological Measurements Programs	1	Sep-06	Dec-06	Jun-07	Update dependent on availability of ANSI std. Expected by end of year 2005
2.3.4	Short Term Dispersion Estimates for Accidental Atmospheric Releases	1	Dec-06	Mar-07	Sep-07	Update will include 10 CFR Part 52 licensing and relevant portion of RS-002
2.3.5	Long Term Diffusion Estimates	1	Jun-06	N/A	Sep-06	Administrative Update, will include 10 CFR Part 52 licensing and relevant portion of RS-002
2.4.1	Hydrologic Description	1	Jun-06	Sep-06	Apr-07	Update will include relevant portion of RS-002
2.4.2	Floods	1	Jun-06	Sep-06	Apr-07	Update will include relevant portion of RS-002
2.4.3	Probable Maximum Flood (PMF) on Streams and Rivers	1	Jun-06	Sep-06	Apr-07	Update will include relevant portion of RS-002
2.4.4	Potential Dam Failures	1	Jun-06	Sep-06	Apr-07	Update will include relevant portion of RS-002
2.4.5	Probable Maximum Surge and Seiche Flooding	1	Jun-06	Sep-06	Apr-07	Update will include relevant portion of RS-002
2.4.6	Probable Maximum Tsunami Flooding	1	Aug-06	Nov-06	Jun-07	Update will include relevant portion of RS-002
2.4.7	Ice Effects	1	Aug-06	Nov-06	Jun-07	Update will include relevant portion of RS-002
2.4.8	Cooling Water Canals and Reservoirs	1	Jun-06	Sep-06	Apr-07	
2.4.9	Channel Diversions	1	Jun-06	Sep-06	Apr-07	Update will include relevant portion of RS-002
2.4.10	Flooding Protection Requirements	1	Jun-06	Sep-06	Apr-07	
2.4.11	Cooling Water Supply	1	Jun-06	Sep-06	Apr-07	Update will include relevant portion of RS-002
2.4.12	Groundwater	1	Aug-06	Nov-06	Jun-07	Update will include relevant portion of RS-002
2.4.13	Accidental Releases of Liquid Effluents in Ground and Surface Waters	1	Aug-06	Nov-06	Jun-07	Update will include relevant portion of RS-002
2.4.14	Technical Specifications and Emergency Operation requirements	1	Jun-06	Sep-06	Apr-07	
2.5.1	Basic Geologic and Seismic Information	2	Nov-06	n/a	Feb-07	From scoping technical Content okay; Update limited to ADM/Part 52
2.5.2	Vibratory Ground Motion	1	Jan-07	Apr-07	Oct-07	10/27/05 - update linked to EPRI/NEI seismic initiatives
2.5.3	Surface Faulting	2	Nov-06	n/a	Feb-07	From scoping technical Content okay; Update limited to ADM/Part 52
2.5.4	Stability of Subsurface Materials and Foundations	2	Nov-06	Feb-07	Aug-07	
2.5.5	Stability of Slopes	2	Nov-06	Feb-07	Aug-07	
3.2.1	Seismic Classification	2	Feb-07	May-07	Nov-07	
3.2.2	System Quality Group Classification	2	Feb-07	May-07	Nov-07	
3.3.1	Wind Loadings	2	Mar-07	Jun-07	Dec-07	

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3.3.2	Tornado Loadings	2	Mar-07	Jun-07	Dec-07	
3.4.1	Flood Protection	2	Mar-07	Jun-07	Dec-07	
3.4.2	Analysis Procedures	2	Mar-07	Jun-07	Dec-07	
3.5.1.1	Internally Generated Missiles (Outside Containment)	2	Mar-07	Jun-07	Dec-07	1996 draft technically acceptable - admin. Update
3.5.1.2	Internally Generated Missiles (Inside Containment)	2	Mar-07	Jun-07	Dec-07	1996 draft technically acceptable - admin. Update
3.5.1.3	Turbine Missiles	2	Feb-07	May-07	Nov-07	
3.5.1.4	Missiles Generated by Natural Phenomena	1	Oct-05	01/26/06	Jul-07	See 2.3.1
3.5.1.5	Site Proximity Missiles (Except Aircraft)	2	Oct-06	N/A	Jan-07	
3.5.1.6	Aircraft Hazards Structures, Systems, and Components To Be Protected From Externally Generated Missiles	1	Oct-06	Jan-07	Jul-07	Update will include relevant portion of RS-002
3.5.2	Barrier Design Procedures	2	Mar-07	Jun-07	Dec-07	1996 draft technically acceptable - admin. Update
3.5.3	Plant Design for Protection Against Postulated Piping Failures in Fluid Systems Outside Containment	2	Oct-06	Feb-07	Aug-07	Update dependent on revision to RG 1.76 and SRP Section 3.5.1.4
3.6.1	Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	2	Mar-07	Jun-07	Dec-07	
3.6.2	Leak-Before-Break Evaluation Procedures	2	Sep-07	Dec-07	Sep-08	
3.6.3	SEISMIC DESIGN PARAMETERS	1	May-06	Jul-06	Jan-07	
3.7.1	SEISMIC SYSTEM ANALYSIS	2	Feb-06	n/a	May-06	Sections 3.7.1, 3.7.2, and 3.7.3 will be updated in two steps, the first update is limited in scope. The second update, expected in 2007 will be an expanded scope.
3.7.2	SEISMIC SUBSYSTEM ANALYSIS	2	Feb-06	n/a	May-06	see 3.7.1
3.7.3	SEISMIC INSTRUMENTATION	2	Feb-06	n/a	May-06	see 3.7.1
3.7.4	Concrete Containment	2	Feb-07	May-07	Nov-07	
3.8.1	Steel Containment	2	Sep-06	Jan-07	Jul-07	
3.8.2	Concrete and Steel Internal Structures of Steel or Concrete Containments	2	Sep-06	Jan-07	Jul-07	
3.8.3	Other Seismic Category I Structures	2	Sep-06	Jan-07	Jul-07	
3.8.4	Foundations	2	Sep-06	Jan-07	Jul-07	
3.8.5	Special Topics for Mechanical Components	2	Jun-06	n/a	Oct-06	
3.9.1	Dynamic Testing and Analysis of Systems, Components, and Equipment ASME Code Class 1, 2, and 3	2	Sep-06	n/a	Jan-07	The ASME OM standard pertaining to this section is currently being revised by the standards development organization, and this SRP section might need to be updated again as a result
3.9.2	Components, Component Supports, and Core Support Structures	2	Feb-06	n/a	May-06	
3.9.3	Control Rod Drive Systems	2	Feb-06	n/a	May-06	
3.9.4	Reactor Pressure Vessel Internals	2	Sep-06	Dec-06	Jun-07	Update to establish guidance of steam dryer design/inspection incorporating analytical methodology, test measurements and verification based on experiences of Quad Cities, Dresden, Vermont Yankee extended power uprate operation and other plants such as Browns Ferry, Hope Creek and Susquehanna, which are currently applying for uprated power operation.

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3.9.6	Inservice Testing of Pumps and Valves	1	Feb-06	N/a	May-06	
3.9.7	Risk-Informed Inservice Testing of Pumps and Valves	3				Endorsed ASME Code cases in this area and on-going rulemaking could make it unlikely that the NRC staff and licensees will need to use this guidance in the future.
3.9.8	Risk-Informed Inservice Inspection of Piping	3				
3.10	Seismic and Dynamic Qualification of Mechanical and Electrical Equipment	2	TBD	TBD	TBD	Schedule to be determined following publication of a revised ASME/QME standard and will be coordinated with the update to RG 1.100 Rev.2
3.11	Environmental Qualification of Mechanical and Electrical Equipment	1	Sep-06	Dec-06	Jan-07	
3.12	Interfacing System Loss of Coolant Accident (ISLOCA) Design Review for Systems Interfacing with the Reactor Coolant System [new]	1	TBD	TBD	TBD	New section identified in the table of contents of the 1996 Draft SRP
3.13	Threaded Fasteners	2	Apr-06	Jun-06	Dec-06	
4.2	Fuel System Design	1	Jun-06	Sep-06	Jun-07	
4.3	Nuclear Design	2	Dec-06	Mar-07	Dec-07	
4.4	Thermal and Hydraulic Design	2	Dec-06	Mar-07	Dec-07	
4.5.1	Control Rod Drive Structural Materials	2	Sep-06	Dec-06	Jun-07	
4.5.2	Reactor Internal and Core Support Materials	2	Feb-06	n/a	May-06	
4.6	Functional Design of Control Rod Drive System	2	Dec-06	Mar-07	Dec-07	
5.2.1.1	Compliance With the Codes and Standards Rule, 10 CFR 50.55a	2	Feb-07	May-07	Nov-07	
5.2.1.2	Applicable Code Cases	2	Feb-07	May-07	Nov-07	
5.2.2	Overpressure Protection	1	Jun-06	Sep-06	Jun-07	
5.2.3	Reactor Coolant Pressure Boundary Materials	2	Feb-06	n/a	May-06	
5.2.4	Reactor Coolant Pressure Boundary Inservice Inspection and Testing	1	Feb-06	n/a	May-06	
5.2.5	Reactor Coolant Pressure Boundary Leakage Detection	2	TBD	TBD	TBD	Update schedule to be determined through User Needs request for update to RG 1.45
5.3.1	Reactor Vessel Materials	2	Feb-06	n/a	May-06	
5.3.2	Pressure Temperature Limits and Pressurized Thermal Shock	3				Section 5.3.2 will not be updated at this time because of ongoing actions to revise all of the regulations and regulatory guides that pertain to RPB integrity evaluations will dramatically affect current requirements. The results of the various revisions are expected to be completed within the next 5 years.

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5.3.3	Reactor Vessel Integrity	2	Feb-06	n/a	May-06	
5.4	Components and Subsystem Design	2	n/a	n/a	Sep-06	No technical acceptance criteria contained in 5.4. Section contains organization review responsibilities for the the subsections of 5.4
5.4.1.1	Pump Flywheel Integrity (PWR)	2	May-06	Jul-06	Jan-07	
						<b>from 2004 scoping</b> - Although nothing has superceded the 1981 version of the SRP we have developed supplemental guidance for specific reviews such as power uprates. Refer to power uprate review guidance at ML011220621. Update of additional guidance unknown since it depends on results of the update and subsequent reviews by public/CRGR/ACRS. Estimate hours incorporate insights gained from recent efforts associated with communication position on steam generator inspection issues. Estimate is much higher because substantive changes need to be made
5.4.2.1	Steam Generator Materials	2	Aug-06	Nov-06	Jun-07	
5.4.2.2	Steam Generator Tube Inservice Inspection	1	Aug-06	Nov-06	Jun-07	see 5.4.2.1
5.4.6	Reactor Core Isolation Cooling System (BWR)	1	Jun-06	Sep-06	Jun-07	
5.4.7	Residual Heat Removal (RHR) System	2	Dec-06	Mar-07	Dec-07	
5.4.8	Reactor Water Cleanup System (BWR)	2	Feb-06	n/a	May-06	
5.4.11	Pressurizer Relief Tank	2	Dec-06	Mar-07	Dec-07	
5.4.12	Reactor Coolant System High Point Vents	2	Apr-06	n/a	Jul-06	
6.1.1	Engineered Safety Features Materials	2	Feb-06	n/a	May-06	
6.1.2	Protective Coating Systems (Paints) Organic Materials	2	Sep-06	Jan-07	Jul-07	
6.2.1	Containment Functional Design	2	Dec-06	Mar-07	Sep-07	ESBWR and AP1000 reviews to inform update, containments of evolutionary passive designs may not be readily applicable to current SRP
6.2.1.1.A	PWR Dry Containments, Including Subatmospheric Containments	3				Not applicable to certified, inhouse for review, or anticipated standard designs
6.2.1.1.B	Ice Condenser Containments	3				Not applicable to certified, inhouse for review, or anticipated standard designs
6.2.1.1.C	Pressure-Suppression Type BWR Containments	2	Dec-06	Mar-07	Sep-07	see 6.2.1
6.2.1.2	Subcompartment Analysis	2	Dec-06	Mar-07	Sep-07	see 6.2.1
6.2.1.3	Mass and Energy Release Analysis for Postulated Loss of Coolant Accidents	2	Dec-06	n/a	Feb-06	Revision 2 was published in January 2006 and is available on Web or in ADAMS: ML060150002
6.2.1.4	Mass and Energy Release Analysis for Postulated Secondary System Pipe Ruptures	2	Dec-06	Mar-07	Sep-07	see 6.2.1
6.2.1.5	Minimum Containment Pressure Analysis for Emergency Core Cooling System Performance Capability Studies	2	Dec-06	Mar-07	Sep-07	see 6.2.1
6.2.2	Containment Heat Removal Systems	2	Jun-05	TBD	TBD	Update dependent on revision to RG 1.82, which is scheduled to be present to the ACRS in February 2006
6.2.3	Secondary Containment Functional Design	2	Mar-07	Jun-07	Dec-07	see 6.2.1
6.2.4	Containment Isolation System	2	Mar-07	Jun-07	Dec-07	see 6.2.1
6.2.5	Combustible Gas Control in Containment	2	Mar-06	n/a	Jun-06	
6.2.6	Containment Leakage Testing	2	Sep-06	Dec-06	Jun-07	This update directly related to existing reactors and is dependent on the Integrated Leak Rate Testing (ILRT) NEI task group. For new reactors, it is referred to as an Operational Program
6.2.7	Fracture Prevention of Containment Pressure Boundary	2	Dec-06	Mar-07	Sep-07	
6.3	Emergency Core Cooling System	1	Jun-06	Sep-06	Jun-07	Update will be coordinated with SRP section 15.6.5
6.4	Control Room Habitability System	2	Dec-06	Mar-07	Sep-07	Revision will combine guidance contained in SRP Section 9.4.1
6.5.1	ESF Atmosphere Cleanup Systems	2	Sep-06	Dec-06	Jun-07	see 6.2.1
6.5.2	Containment Spray as a Fission Product Cleanup System	2	Dec-05	n/a	Jan-06	Revision 3 was published December 2005 and is available on Web or in ADAMS: ML060150001
6.5.3	Fission Product Control Systems and Structures	2	Sep-06	Dec-06	Jun-07	see 6.2.1
6.5.4	Ice Condenser as a Fission Product Cleanup System	3				Not applicable to certified, inhouse for review, or anticipated standard designs

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6.5.5	Pressure Suppression Pool as a Fission Product Cleanup System	2	Sep-06	n/a	Jan-07	
6.6	Inservice Inspection of Class 2 and 3 Components	1	Feb-06	n/a	May-06	
6.7	Main Steam Isolation Valve Leakage Control System (BWR)	3				Not applicable to certified, inhouse for review, or anticipated standard designs
6.8	Reactor Coolant Depressurization Systems (PWR) [Future]	2	Dec-06	Mar-07	Dec-07	Is this needed for new rx licensing???
7.0	I&C Overview of Review Process	2	Oct-06	Feb-07	Sep-07	11/30/05: Minor update
7.0-A	Review Process for Digital I&C Systems	2	Oct-06	Feb-07	Sep-07	11/30/05: Minor update
7.1	Instrumentation and Controls – Introduction	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
7.1-A	Acceptance Criteria & Guidelines for I&C Systems Important to Safety	2	Oct-06	Feb-07	Sep-07	9/29/05: revised schedule medium update
7.1-B	Guidance for Evaluation of Conformance to IEEE Std - 279	3	Nov-06	Feb-07	Sep-07	9/29/05: administrative update
7.1-C	Guidance for Evaluation of Conformance to IEEE Std - 603	1	May-06	Sep-06	Jan-07	11/30/05: medium update; schedule does not permit contract assistance
7.1-D (new)	Guidance for Evaluation of Conformance to IEEE Std - 7-4.3.2	1	May-06	Sep-06	Jan-07	Coordinated with the update to RG 1.152
7.1-T	Table 7-1 Acceptance Criteria	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
7.2	Reactor Trip System	2	Nov-06	Feb-07	Sep-07	11/30/05: extensive update
7.3	Engineered Safety Features Systems	2	Oct-06	Feb-07	Sep-07	11/30/05: medium update
7.4	Safe Shutdown Systems	2	Oct-06	Feb-07	Sep-07	11/30/05: minor update
7.5	Information Systems Important to Safety	2	Oct-06	Feb-07	Sep-07	9/29/05: extensive update
7.6	Interlock Systems Important to Safety	2	Oct-06	Feb-07	Sep-07	9/29/05: minor update
7.7	Control Systems	2	Nov-06	Feb-07	Sep-07	11/30/05: medium update
7.8	Diverse I&C Systems	2	Oct-06	Feb-07	Sep-07	11/30/05: medium update
7.9	Data Communications Systems	2	Nov-06	Feb-07	Sep-07	11/30/05: medium update
App 7-A	Branch Technical Positions - (21)	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
App 7-B	General Agenda, Station Site visits	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
App 7-C	Acronyms, Abbreviations, Glossary, and Index	3	Oct-07	Feb-08	Sep-08	11/30/05: Minor update can wait till 2008
BTP-1	Guidance on Isolation of Low-Pressure Systems from the High-Pressure Reactor Coolant System	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
BTP-2	Guidance on Requirements of Motor-Operated Valves in the Emergency Core Cooling System Accumulator Lines	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
BTP-3	Guidance on Protection System Trip Point Changes for Operation with Reactor Coolant Pumps out of Service	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
BTP-4	Guidance on Design Criteria for Auxiliary Feedwater Systems	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
BTP-5	Guidance on Spurious Withdrawals of Single Control Rods in Pressurized Water Reactors	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
BTP-6	Guidance on I&C Provided to Accomplish Changeover from Injection to Recirculation Mode	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
BTP-8	Guidance for Application of Regulatory Guide 1.22	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
BTP-9	Guidance on Requirements for Reactor Protection System Anticipatory Trips	3	Oct-07	Feb-08	Sep-08	11/30/05: Admin update can wait till 2008
BTP-10	Guidance on Application of Regulatory Guide 1.97	2	Oct-06	Feb-07	Sep-07	11/30/05: extensive update; need to update RG 1.97. R4
BTP-11	Guidance on Application and Qualification of Isolation Devices	2	Oct-06	Feb-07	Sep-07	11/30/05: minor update
BTP-12	Guidance on Establishing and Maintaining Instrument Setpoints	2	Oct-06	Feb-07	Sep-07	11/30/05: extensive update
BTP-13	Guidance on Cross-Calibration of Protection System Resistance Temperature Detectors	3	Oct-07	Feb-08	Sep-08	9/29/05: minor update - can wait till 2008
BTP-14	Guidance on Software Reviews for Digital Computer-Based I&C Systems	1	May-06	Sep-06	Jan-07	11/30: extensive update; perform inhouse

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BTP-16	Guidance on Level of Effort Required for Design Certification Applications Under 10 CFR Part 52	1	May-06	Sep-06	Jan-07	11/30: extensive update; perform inhouse
BTP-17	Guidance on Self-Test and Surveillance Test Provisions	2	Oct-06	Feb-07	Sep-07	11/30/05: minor update
BTP-18	Guidance on the Use of Programmable Logic Controllers in Digital Computer-Based Instrumentation and Control Systems	2	Oct-06	Feb-07	Sep-07	11/30/05: minor update
BTP-19	Guidance for Evaluation of Defense-in-Depth and Diversity in Digital Computer-Based Instrumentation and Control Systems	2	Nov-06	Feb-07	Sep-07	11/30/05: minor update
BTP-21	Guidance on Digital Computer Real-Time Performance	2	Nov-06	Feb-07	Sep-07	11/30/05: minor update
BTP-A	Guidance on Digital Sampling	2	Nov-06	Feb-07	Sep-07	11/30/05: extensive update
BTP-B	Guidance on Digital Operating System Timing	2	Nov-06	Feb-07	Sep-07	11/30/05: extensive update
8.1	Electric Power / Introduction	2	Nov-06	Feb-07	Nov-07	
8.2	Offsite Power System	1	Nov-06	Feb-07	Nov-07	
8.3.1	A C Power Systems (Onsite)	2	Nov-06	Feb-07	Nov-07	
8.3.2	D C Power Systems (Onsite)	2	Nov-06	Feb-07	Nov-07	
8.4 NEW	Station Blackout [Future]	1	Nov-06	Feb-07	Nov-07	
8-A	Branch Technical Positions (PSB)	2	Nov-06	Feb-07	Nov-07	
8-B	General Agenda, Station Site Visits	2	Nov-06	Feb-07	Nov-07	
9.1.1	New Fuel Storage	2	Dec-06	Mar-07	Dec-07	
9.1.2	Spent Fuel Storage	2	Mar-07	Jun-07	Dec-07	
9.1.3	Spent Fuel Pool Cooling and Cleanup System	2	Feb-06	Apr-06	Oct-06	
9.1.4	Light Load Handling System (Related to Refueling)	1	Sep-06	Dec-06	Sep-07	
9.1.5	Overhead Heavy Load Handling Systems	1	Sep-06	Dec-06	Sep-07	
9.2.1	Station Service Water System	2	Mar-07	Jun-07	Dec-07	11/4: RTNSS for AP1000; 1996 draft technically acceptable - admin. Update
9.2.2	Reactor Auxiliary Cooling Water Systems	2	Mar-07	Jun-07	Dec-07	
9.2.3	Deminerlized Water Makeup System	2	Sep-06	n/a	Jan-07	
9.2.4	Potable and Sanitary Water Systems	3	Mar-07	Jun-07	Dec-07	Low safety significance
9.2.5	Ultimate Heat Sink	2	Mar-07	Jun-07	Dec-07	1996 draft technically acceptable - admin. Update
9.2.6	Condensate Storage Facilities	2	Mar-07	Jun-07	Dec-07	1996 draft technically acceptable - admin. Update
9.3.1	Compressed Air System	2	Mar-07	Jun-07	Dec-07	1996 draft technically acceptable - admin. Update
9.3.2	Process and Post Accident Sampling Systems	2	TBD	TBD	TBD	
9.3.3	Equipment and Floor Drainage System	2	Mar-07	Jun-07	Dec-07	11/4: important only w/r flood protection; 1996 draft technically acceptable - admin. Update
9.3.4	Chemical and Volume Control System (PWR) Including Boron Recovery System)	2	Sep-06	n/a	Jan-07	
9.3.5	Standby Liquid Control System (BWR)	1	Jun-06	Sep-06	Jun-07	
9.4.1	Control Room Area Ventilation System	3				Guidance will be combined with SRP Section 6.4
9.4.2	Spent Fuel Pool Area Ventilation System	3				With alternative source terms, systems more defense-in-depth
9.4.3	Auxiliary and Radwaste Area Ventilation System	3				With alternative source terms, systems more defense-in-depth
9.4.4	Turbine Area Ventilation System	3				With alternative source terms, systems more defense-in-depth
9.4.5	Engineered Safety Feature Ventilation System	2	Dec-06	Mar-07	Sep-07	ESBWR and AP1000 reviews to inform update
9.5.1	Fire Protection Program	2	Mar-07	Jun-07	Dec-07	Issued 10/2003; Update will address: 1) NFPA 805 and 2) confirmed agency expectations in the areas of circuits and operator manual actions.
9.5.2	Communications Systems	2	Nov-06	Feb-07	Sep-07	11/30/05: medium update
9.5.3	Lighting Systems	2	Nov-06	Feb-07	Nov-07	10/20: update requires use of contract assistance
9.5.4	Emergency Diesel Engine Fuel Oil Storage and Transfer System	2	Sep-06	Dec-06	Sep-07	11/4: RTNSS for AP1000; 1996 draft technically acceptable - admin. Update
9.5.5	Emergency Diesel Engine Cooling Water System	2	Sep-06	Dec-06	Sep-07	11/4: RTNSS for AP1000; 1996 draft technically acceptable - admin. Update
9.5.6	Emergency Diesel Engine Starting System	2	Mar-07	Jun-07	Dec-07	11/4: RTNSS for AP1000; 1996 draft technically acceptable - admin. Update

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9.5.7	Emergency Diesel Engine Lubrication System	2	Mar-07	Jun-07	Dec-07	11/4: RTNNS for AP1000; 1996 draft technically acceptable - admin. Update
9.5.8	Emergency Diesel Engine Combustion Air Intake and Exhaust System	2	Mar-07	Jun-07	Dec-07	11/4: RTNNS for AP1000; 1996 draft technically acceptable - admin. Update
9.x (new)	Spent Fuel Criticality	2	TBD	TBD	TBD	This subject may be incorporated into SRP Section 9.1
NEW	ESBWR Isolation Condenser	1	Dec-06	Mar-07	Dec-07	
10.2	Turbine Generator	3				11/4: Low priority based on safety significance
10.2.3	Turbine Rotor Integrity	2	May-06	Jul-06	Jan-07	
10.3	Main Steam Supply System	2	Mar-07	Jun-07	Dec-07	11/4: GDC 34/44 DID; 1996 draft technically acceptable - admin. Update
10.3.6	Steam and Feedwater System Materials	2	Feb-06	n/a	May-06	
10.4.1	Main Condensers	3				11/4: Low priority based on safety significance
10.4.2	Main Condenser Evacuation System	3				11/4: Low priority based on safety significance
10.4.3	Turbine Gland Sealing System	3				11/4: Low priority based on safety significance
10.4.4	Turbine Bypass System	2	Mar-07	Jun-07	Dec-07	11/4: GDC 34/44 DID; 1996 draft technically acceptable - admin. Update
10.4.5	Circulating Water System	3				11/4: Low priority based on safety significance
10.4.6	Condensate Cleanup System	2	Sep-06	n/a	Jan-07	
10.4.7	Condensate and Feedwater System	2	Mar-07	Jun-07	Dec-07	11/4: GDC 34/44 DID; 1996 draft technically acceptable - admin. Update
10.4.8	Steam Generator Blowdown System (PWR)	2	Sep-06	n/a	Jan-07	
10.4.9	Auxiliary Feedwater System (PWR)	2	Mar-07	Jun-07	Dec-07	11/4: RTNNS for AP1000; 1996 draft technically acceptable - admin. Update
11.1	Source Terms	2	TBD	TBD	TBD	
11.2	Liquid Waste Management Systems	2	TBD	TBD	TBD	
11.3	Gaseous Waste Management Systems	2	TBD	TBD	TBD	
11.4	Solid Waste Management Systems	1	Sep-06	Dec-06	Sep-07	
11.5	Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems	1	Sep-06	Dec-06	Sep-07	
12.1	Assuring that Occupational Radiation Exposures Are As Low As Is Reasonably Achievable	1	Oct-06	no	Mar-07	Dependent on comments received on 12.5 expected January 2006
12.2	Radiation Sources	2	Sep-06	no	Mar-07	Dependent on comments received on 12.5 expected January 2006
12.3 - 12.4	Radiation Protection Design Features	2	Sep-06	no	Mar-07	Dependent on comments received on 12.5 expected January 2006
12.5	Operational Radiation Protection Program	1	Dec-05	Jan-06	Oct-06	Draft Revision 3 was published December 2005 for comment and is available on the Web or in ADAMS: ML060170759
13.1.1	Management and Technical Support Organization	1	Apr-06	n/a	Sep-06	10/28: Tech staff confirmed content*
13.1.2 - 13.1.3	Operating Organization	1	Apr-06	n/a	Sep-06	Published 8/05; correct Pt 52 terminology late-stage/early stage*
13.2.1	Reactor Operator Training	1	Nov-05	n/a	Jan-06	Revision 2 was published November 2005 and is available on Web or in ADAMS: ML060030205; Previously issued for public comment 12/2002.
13.2.2	Training for Non Licensed Plant Staff	1	Nov-05	n/a	Jan-06	Revision 2 was published November 2005 and is available on Web or in ADAMS: ML060030199; Previously issued for public comment 12/2002.

## SRP Update Program

SRP Section	Section Title	Category	Target for SRP technically complete*	Target Issuance public comment (N/A if no)	Target Final Issuance date	Comments
13.3	Emergency Planning	1	May-06	Oct-06	Mar-07	ESP: Supp. 2 to NUREG-0654/FEMA-REP-1; DC: RG 1.101, NUREG-0696, NUREG-0737 (inc. Supp.1); COL RG 1.101; NUREG-0654/FEMA-REP-1, NUREG-0737 (inc. supp.1); COL Operational program SECY: Appendix E.IV.F.a: (1) full participation exercise within two years before issuance of first operating license for full power; and (2) onsite exercise within one year before issuance of operating license for full power.  Appendix E.V: detailed implementing procedures submitted within 180 days prior to fuel load.
13.4	Operational Review	1	May-06	Aug-06	Feb-07	
13.5.1.1	Administrative Procedures - General	1	May-06	n/a	Sep-06	10/28: Tech staff confirmed 1996 draft*
13.5.1.2	Administrative Procedures - Initial Test Program	3				10/31: content to be subsumed into 14.2
13.5.2.1	Operating and Emergency Operating Procedures	1	Nov-05	n/a	Jan-06	Revision 1 was published November 2005 and is available on Web or in ADAMS: ML060030233; Previously issued for public comment 12/2002.
13.5.2.2	Maintenance and Other Operating Procedures	3				10/31: content to be subsumed into 13.4
13.6	Physical Security	1	Sep-06	Available for cleared individuals with a need-to-know basis		10CFR 73.55, 56, App. B, App. C, and App. G - collectively "Security Requirements for Power Reactors" are being revised with proposed rule language expected to be complete by May 2006. Supporting Regulatory Guides and SRP's being developed concurrently.
14.2	Initial Plant Test Program	2	Mar-07	May-07	Dec-07	The prioritization/schedule of this update is consistent with the COL applicants' needs for developing their initial test program. The update of RG 1.68 will include test requirements of passive systems
14.2.1	Generic Guidelines for Extended Power Uprate Testing Programs	2	Oct-05	N/A	TBD	Issued for public comment 12/2002, ACRS requested review of revised SRP section scheduled for March 2006.
14.3	Inspections, Tests, Analyses, and Acceptance Criteria - Design Certification	1	Apr-06	Jun-06	Jan-07	Need technical update by 4/2006 and template for balance of 14.3 sections prior to individual updates
14.3.1	Site Parameters (Tier 1)	1	Oct-06	Jan-07	Jul-07	will be coordinated 14.3
14.3.2	Structural and Systems Engineering (Tier 1)	1	Oct-06	Jan-07	Jul-07	will be coordinated 14.3
14.3.3	Piping Systems and Components (Tier 1)	1	Oct-06	Jan-07	Jul-07	will be coordinated 14.3
14.3.4	Reactor Systems (Tier 1)	1	Oct-06	Jan-07	Jul-07	will be coordinated 14.3
14.3.5	Instrumentation and Controls (Tier 1)	1	Oct-06	Feb-07	Jul-07	11/30/05: extensive update - need template by 4/2006
14.3.6	Electrical Systems (Tier 1)	1	Nov-06	Feb-07	Nov-07	will be coordinated 14.3
14.3.7	Plant Systems (Tier 1)	1	Oct-06	Jan-07	Jul-07	will be coordinated 14.3
14.3.8	Radiation Protection and Emergency Preparedness (Tier 1)	1	Oct-06	Jan-07	Jul-07	will be coordinated 14.3



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SRP Section	Section Title	Category	Target for SRP technically complete*	Target Issuance public comment (N/A if no)	Target Final Issuance date	Comments
14.3.9	Human Factors Engineering (Tier 1)	1	Oct-06	Jan-07	Jul-07	will be coordinated 14.3
14.3.10	Initial Test Program and D-RAP (Tier 1) Containment Systems and Severe	1	Mar-07	May-07	Dec-07	Will be developed on same schedule as Section 14.2
14.3.11	Accidents (Tier 1)	1	Oct-06	Jan-07	Jul-07	will be coordinated 14.3
15.0.1	Radiological Consequence Analyses Using Alternate Source Terms	3				issued 7/2000; will not be updated for Part 52; rather develop 15.0.3 for Part 52 applicability
15.0.2	Review of Transient and Accident Analysis Methods	2	Dec-06	Mar-07	Dec-07	schedule dependent on companion RG
15.0.3(new)	Radiological Consequences of Design Basis Accidents - for ESP, DC, and COL applications	1	Dec-06	Mar-07	Sep-07	This is a new section that will address Part 52 licensing, it will incorporate by reference RG 1.183, it will subsume Att 2, Section 15 of RS-0002, and be informed by the ESBWR/AP1000 Design Certification reviews. The schedule for updating RG 1.183 is independent of development of this section
15.1.1 - 15.1.4	Decrease in Feedwater Temperature, Increase in Feedwater Flow, Increase in Steam Flow, and Inadvertent Opening of a Steam Generator Relief or Safety Valve	2	Dec-06	Mar-07	Dec-07	
15.1.5	Steam System Piping Failures Inside and Outside of Containment (PWR)	2	Dec-06	Mar-07	Dec-07	
15.1.5.A	Radiological Consequences of Main Steam Line Failures Outside Containment of a PWR	3				Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.2.1 - 15.2.5	Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed)	2	Dec-06	Mar-07	Dec-07	
15.2.6	Loss of Nonemergency AC Power to the Station Auxiliaries	2	Dec-06	Mar-07	Dec-07	
15.2.7	Loss of Normal Feedwater Flow	2	Dec-06	Mar-07	Dec-07	
15.2.8	Feedwater System Pipe Breaks Inside and Outside Containment (PWR)	2	Dec-06	Mar-07	Dec-07	
15.3.1 - 15.3.2	Loss of Forced Reactor Coolant Flow Including Trip of Pump Motor and Flow Controller Malfunctions	2	Dec-06	Mar-07	Dec-07	
15.3.3 - 15.3.4	Reactor Coolant Pump Rotor Seizure and Reactor Coolant Pump Shaft Break	2	Dec-06	Mar-07	Dec-07	
15.4.1	Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	2	Dec-06	Mar-07	Dec-07	
15.4.2	Uncontrolled Control Rod Assembly Withdrawal at Power	2	Dec-06	Mar-07	Dec-07	
15.4.3	Control Rod Misoperation (System Malfunction or Operator Error)	2	Dec-06	Mar-07	Dec-07	
15.4.4 - 15.4.5	Startup of an Inactive Loop or Recirculation Loop at an Incorrect Temperature, and Flow Controller Malfunction Causing an Increase in BWR Core Flow Rate	2	Dec-06	Mar-07	Dec-07	
15.4.6	Chemical and Volume Control System Malfunction that Results in Decrease in Boron Concentration in the Reactor Coolant (PWR)	2	Dec-06	Mar-07	Dec-07	
15.4.7	Inadvertent Loading and Operation of a Fuel Assembly in an Improper Position	2	Dec-06	Mar-07	Dec-07	
15.4.8	Spectrum of Rod Ejection Accidents (PWR)	2	Dec-06	Mar-07	Dec-07	
15.4.8.A	Radiological Consequences of a Control Rod Ejection Accident (PWR)	3				Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.4.9	Spectrum of Rod Drop Accidents (BWR)	2	Dec-06	Mar-07	Dec-07	
15.4.9.A	Radiological Consequences of Control Rod Drop Accident (BWR)	3				Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.5.1 - 15.5.2	Inadvertent Operation of ECCS and Chemical and Volume Control System Malfunction that Increases Reactor Coolant Inventory	2	Dec-06	Mar-07	Dec-07	

## SRP Update Program

SRP Section	Section Title	Category	Target for SRP technically complete*	Target Issuance public comment (N/A if no)	Target Final Issuance date	Comments
15.6.1	Inadvertent Opening of a PWR Pressurizer Pressure Relief Valve or a BWR Pressure Relief Valve	2	Dec-06	Mar-07	Dec-07	
15.6.2	Radiological Consequences of the Failure of Small Lines Carrying Primary Coolant Outside Containment	3				Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.6.3	Radiological Consequences of Steam Generator Tube Failure (PWR)	3				Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.6.4	Radiological Consequences of Main Steam Line Failure Outside Containment (BWR)	3				Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.6.5	Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	2	Dec-06	Mar-07	Dec-07	<b>Update</b> to be coordinated with section 6.3
15.6.5.A	Radiological Consequences of a Design Basis Loss-of-Coolant Accident Including Containment Leakage Contribution	3				Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.6.5.B	Radiological Consequences of a Design Basis Loss-of-Coolant Accident Leakage From Engineered Safety Feature Components Outside Containment	3				Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.6.5.D	Radiological Consequences of a Design Basis Loss-of-Coolant Accident: Leakage From Main Steam Isolation Valve Leakage Control System (BWR)	3				Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.7.3	Postulated Radioactive Releases Due to Liquid-Containing Tank Failures	3				Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.7.4	Radiological Consequences of Fuel Handling Accidents	3				Will not update for Part 52; rather develop 15.0.3 to address Part 52 applications
15.7.5	Spent Fuel Cask Drop Accidents	2	TBD	TBD	TBD	
15.8	Anticipated Transients Without Scram	2	Dec-06	Mar-07	Dec-07	
15.9 (new)	BWR Core Stability	1	Jun-06	Sep-06	Jun-07	
15.x (new)	Spent Fuel Pool Criticality and Boron Dilution Analyses	2				To be combined into 9.1
16.0	Technical Specifications	2	Sep-06	Dec-06	Jun-07	The effort to revise the SRP 16.0 itself is not very involved; however before we can revise the SRP, we will need updated information from sources such as: the Tech Spec. "Background" book, documents regarding regional TIAs requesting NRR interpretation of individual plant Tech Specs, and emerging regulatory requirements [e.g.; GDC, new Part 20, etc...]. The captured information will be factored into TS requirements and its TS BASES for existing and future new plants. Thus the estimated hours to update SRP 16.0 is very conservative because of the nature of the documents that will need to be located and reviewed by the staff or its contractors.
16.1	Risk-Informed Decision Making: Technical Specifications	2	Sep-07	Dec-07	Jun-07	11/2 - in the process of establishing user needs to update 1.177; 3/21/05: scheduled during FY07 budget cycle
17.1	Quality Assurance During the Design and Construction Phases	3				9/05: Section will not be updated; new section 17.5 developed specifically for Pt 52.
17.1.1	Early Site Permit Quality Assurance Measures	3				Section currently Attachment to RS-002. Section will be deleted following issuance of revised Final Part 52. If RS-002 revised in advance of Final Part 52 (as planned), then att 17.11 will still be attached. Following issuance of Final Part 52, 17.5 will need to be updated to expand applicability to ESPs.
17.2	Quality Assurance During the Operations Phase	3				9/05: Section will not be updated; new section 17.5 developed specifically for Pt 52.
17.3	Quality Assurance Program Description	3				9/05: Section will not be updated; new section 17.5 developed specifically for Pt 52.
17.4	Reliability Assurance Program	1	May-06	Aug-06	Feb-07	10/31: scheduled with tech staff

## SRP Update Program

SRP Section	Section Title	Category	Target for SRP technically complete*	Target Issuance public comment (N/A if no)	Target Final Issuance date	Comments
17.5	Quality Assurance new section	1	Nov-05	Jan-06	Jul-06	
17.x	Maintenance Rule	1	Mar-07	May-07	Dec-07	The prioritization/schedule of this update is consistent with the COL applicants' needs for implementation of the Maintenance rule
18.0	Human Factors Engineering Introduction	3				Revision 1 issued 2/2004
19	Probabilistic Risk Assessment	1	TBD	TBD	TBD	Schedule of SRP section update is dependent on Risk-Informed Regulation Implementation Plan (RIRIP)
19.1	Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed	1	TBD	TBD	TBD	Schedule of SRP section update is dependent on Risk-Informed Regulation Implementation Plan (RIRIP)
19.2 (new)	Severe Accidents Performance	1	Dec-06	Mar-07	Sep-07	SRP section will represent Commission policy guidance presented in various SECYs and associated SRMs

**Legend:**

**Categories**

**Category 1 High Priority**

These SRP sections include new or existing sections providing guidance related to new reactor licensing (e.g., Section 14.3, "Inspections, Tests, Analyses, and Acceptance Criteria [ITAAC] Design Certification"); sections addressing operational programs; sections with inconsistent technical guidance; and site-specific sections addressed in RS-002, "Processing Applications for Early Site Permits."

**Category 2 Medium Priority**

These SRP sections largely focus on design-related sections used in previous design certification reviews or will be exercised as part of the ESBWR review. These updates will ensure that the most up-to-date review guidance is referenced by the SRP sections and represent knowledge management transfer for next generation staff.

**Category 3 Low Priority**

These SRP sections do not need to be updated during the 2-year period of time because they have been recently updated or they are of low safety significance for the new evolutionary designs.

**Technically Complete**

Represents the Office of Nuclear Reactor Regulation management approval

**Public Comment**

SRP Sections with n/a denote the update is limited in scope to administrative and editorial changes or incorporate regulations or guidance which has previously been through public comment.

**Color Codes**

Published Draft SRP sections will be highlighted in blue. These sections will be available for public comment at <http://www.nrc.gov/reading-rm/doc-collections/nuregs/docs4comment.html>, during the comment period specified in the Federal Register Notice of Availability.

Published Final SRP Sections will be highlighted in orange