GTST for AP1000 STS Section or Subsection	AP1000 STS Section or Subsection Title	TSTF considered for inclusion in AP1000 STS	ADAMS Accession No.	TSTF Title	TSTF not applicable to AP1000 design or GTS Rev. 19	TSTF proposed for inclusion in AP1000 STS	TSTF already included in GTS Rev. 19 with no variation	TSTF already Included in GTS Rev. 19 with variation	TSTF deferred for future consideration	Comments (a)
1.1	Definitions	TSTF-369-A	ML040050211	Removal of Monthly Operating Report and Occupational Radiation Exposure Report		TSTF-369-A				
		TSTF-419-A	ML012690234	Revise PTLR Definition and References in ISTS 5.6.6, RCS PTLR		TSTF-419-A				TSTF-419-A was incorporated in VEGP 3&4 plant-specific TS (PTS) in COL Amendment 13 (DOC L04)
		TSTF-449-A	ML051090200	Steam Generator Tube Integrity			TSTF-449-A			
		TSTF-471-A	ML062860320	Eliminate use of term CORE ALTERATIONS in ACTIONS and Notes		TSTF-471-A				TSTF-471-A was incorporated in VEGP 3&4 PTS in COL Amendment 13 (DOC L03)
		TSTF-490-A	ML052630462	Deletion of E Bar definition and revision to RCS specific activity				TSTF-490-A		GTS 1.1 deleted the definition of E Bar (similar to TSTF-490-A) but kept its definition of Dose Equivalent I-131
1.2	Logical Connectors	None								
1.3	Completion Times	TSTF-439-A	ML051860296	Eliminate Second Completion Times Limiting Time From Discovery of Failure To Meet an LCO		TSTF-439-A				TSTF-439-A was incorporated in VEGP 3&4 PTS in COL Amendment 13 (DOC L04)
1.4	Frequency	TSTF-475-A	ML071420428	Control Rod Notch Testing Frequency and SRM Insert Control Rod Action		TSTF-475-A				
		TSTF-485-A	ML051570066	Correct Example 1.4-1			TSTF-485-A			
2.0	Safety Limits (SLs)	None								
LCO 3.0	Limiting Conditions for Operation (LCO) Applicability	TSTF-006-A	ML040340457	Add Exception for LCO 3.0.7 to LCO 3.0.1		TSTF-006-A				TSTF-006-A, Revision 1, was incorporated into Revision 2 of the STS NUREG series, which is the reported basis for the AP1000 GTS. However, TSTF-006 was not included in the AP1000 GTS and it appears that TSTF-006 should be included because it provides an appropriate exception for LCO 3.0.7. This is also consistent with VEGP LAR DOC A005.
		TSTF-071-A	ML040440038	Add Example of SFDP to the 3.0.6 Bases		TSTF-071-A				TSTF-071-A and TSTF-166-A have not been included in the AP1000 GTS, whereas, TSTF-273-A was included. Incorporating these two TSTFs into the AP1000 STS would make the AP1000 STS consistent with all of the current STS (NUREGs 1430 through 1434).
		TSTF-122-A	ML040480070	Revise LCO 3.0.2 Bases to Remove Possible Confusion		TSTF-122-A				TSTF-122 was not included in the AP1000GTS and it appears that TSTF-122 should be included because it provides clarification for the LCO 3.0.2 bases discussion.
		TSTF-166-A	ML040500817	Correct Inconsistency between LCO 3.0.6 and the SFDP Regarding Performance of an Evaluation		TSTF-166-A				TSTF-071-A and TSTF-166-A have not been included in the AP1000 GTS, whereas, TSTF-273-A was included. Incorporating these two TSTFs into the AP1000 STS would make the AP1000 STS consistent with all of the current STS (NUREGs 1430 through 1434).
		TSTF-273-A	ML040611069	SFDP Clarifications			TSTF-273-A			
		TSTF-359-A	ML031190607	Increase Flexibility in MODE Restraints		TSTF-359-A				LCO 3.0.4 statement is clarified.
		TSTF-372-A	ML041200567	Addition of LCO 3.0.9, Inoperability of Snubbers		TSTF-372-A				Adds LCO for inoperability of snubbers.
		TSTF-427-A	ML061240055	Allowance for Non-Technical Specification Barrier Degradation on Supported System OPERABILITY		TSTF-427-A				Adds LCO for barrier degradation.
		TSTF-482-A	ML050530165	Correct LCO 3.0.6 Bases		TSTF-482-A				
		TSTF-494-T	ML093350037	Correct Bases Discussion of Figure B3.0-1		TSTF-494-T				

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SR 3.0	Surveillance Requirement (SR) Applicability	TSTF-359-A	ML031190607	Increase Flexibility in MODE Restraints		TSTF-359-A				LCO 3.0.4 statement is clarified.
		TSTF-434-A	ML021580320	Clarifying SR 3.0.1 Bases to state that Surveillance can be performed in steps		TSTF-434-A				
3.1.1	SHUTDOWN MARGIN (SDM)	None								
3.1.2	Core Reactivity	None								
3.1.3	Moderator Temperature Coefficient (MTC)	TSTF-524-T	Request copy of TSTF from NRC contact for GTST	Clarify the Application of SR 3.0.2 to SR 3.1.3.2, MTC				TSTF-524-T		Superseded by VEGP LAR DOC A009, which replaces a surveillance column note with a surveillance frequency. TSTF-524-T modified the surveillance column note to clarify the application of SR 3.0.2.
3.1.4	Rod Group Alignment Limits	None								
3.1.5	Shutdown Bank Insertion Limits	None								
3.1.6	Control Bank Insertion Limits	None								
3.1.7	Rod Position Indication	TSTF-437-T	Request copy of TSTF from NRC contact for GTST	Correction of Rod Position Indication Condition		TSTF-437-T				
3.1.8	PHYSICS TESTS Exceptions – MODE 2	None								
3.1.9	Chemical and Volume Control System (CVS) Demineralized Water Isolation Valves and Makeup Line Isolation Valves	None								
3.2.1	Heat Flux Hot Channel Factor ($F_Q(Z)$) (F_Q Methodology)	TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.2.2	Nuclear Enthalpy Rise Hot Channel Factor ($F_{\Delta H}^N$)	None								
3.2.3	AXIAL FLUX DIFFERENCE (AFD) (Relaxed Axial Offset Control (RAOC) Methodology)	None								
3.2.4	QUADRANT POWER TILT RATIO (QPTR)	TSTF-483-T	Request copy of TSTF from NRC contact for GTST	Delete TS 3.3.1, Condition D, Power Range Neutron Flux - High Channel Inoperable	TSTF-483-T					TSTF-483-T is based on Westinghouse Topical report for operating reactors. No analysis is available for AP1000.
3.2.5	OPDMS-Monitored Parameters	None								
3.3	Instrumentation	TSTF-425-A	ML090850627	Relocate Surveillance Frequencies to Licensee Control - RITSTF Initiative 5b					TSTF-425-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
		TSTF-432-A	ML103360003	Change in Technical Specification End States (WCAP-16294)					TSTF-432-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
		TSTF-493-A	ML101160026	Clarify Application of Setpoint Methodology for LSSS Functions					TSTF-493-A	Setpoint program of GTS 5.5.14 was added to support combined license requirements of 10 CFR 52.97(c) and predates the setpoint program proposed by TSTF-493 that is oriented towards currently operating plants licensed under 10 CFR Part 50.
		TSTF-505-A	Request copy of TSTF from NRC contact for GTST	Provide Risk-Informed Extended Completion Times - RITSTF Initiative 4b					TSTF-505-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
3.3.1	Reactor Trip System (RTS) Instrumentation	TSTF-347-A	ML020320408	P-7 Surveillance	TSTF-347-A					TSTF-347-A is not applicable to the AP1000 design. AP1000 does not have a P-7 interlock.
		TSTF-371-A	ML020670135	NIS Power Range Channel Daily SR TS Change to Address Low Power Decalibration	TSTF-371-A					TSTF-371-A is not applicable to the AP1000 design. The prescribed absolute differences in NIS channels that require a channel adjustment are different for AP1000. Also, the reactor thermal power thresholds for starting the time clocks on SRs are different for the AP1000.
		TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-453-T	Request copy of TSTF from NRC contact for GTST	Addition of New Tech Spec on RCS Boron Limits and Revisions to Tech Spec 3.3.1 to address RWFS	TSTF-453-T					TSTF-453-T is not applicable to the AP1000 design because it is based on Westinghouse NSAL-00-016 the proposed changes, which did not consider the AP1000 design.
		TSTF-483-T	Request copy of TSTF from NRC contact for GTST	Delete TS 3.3.1, Condition D, Power Range Neutron Flux - High Channel Inoperable	TSTF-483-T					TSTF-483-T is not applicable to the AP1000 GTS. TSTF-483-T is follow-on to TSTF-418-A, which relaxed TS completion times based on WCAP-14333-P. WCAP-14333-P did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			

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3.3.2	Reactor Trip System (RTS) Source Range Instrumentation	TSTF-469-T	Request copy of TSTF from NRC contact for GTST	Correct Action to Suspend Positive Reactivity Additions		TSTF-469-T				Required Actions which prohibit positive reactivity additions are corrected to prohibit positive reactivity additions that could result in a loss of required SDM.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.3	Reactor Trip System (RTS) Intermediate Range Instrumentation	TSTF-469-T	Request copy of TSTF from NRC contact for GTST	Correct Action to Suspend Positive Reactivity Additions		TSTF-469-T				Required Actions which prohibit positive reactivity additions are corrected to prohibit positive reactivity additions that could result in a loss of required SDM.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.4	Reactor Trip System (RTS) Engineered Safety Feature Actuation System (ESFAS) Instrumentation	TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.5	Reactor Trip System (RTS) Manual Actuation	TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.6	Reactor Trip System (RTS) Automatic Trip Logic	TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.7	Reactor Trip System (RTS) Trip Actuation Devices	TSTF-411-A	ML022470164	Surveillance Test Interval Extensions for Components of the Reactor Protection System (WCAP-15376-P)	TSTF-411-A					TSTF-411 is based on WCAP-15376-P, which did not consider the AP1000 design in the analysis.
		TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.8	Engineered Safety Feature Actuation System (ESFAS) Instrumentation	TSTF-411-A	ML022470164	Surveillance Test Interval Extensions for Components of the Reactor Protection System (WCAP-15376-P)	TSTF-411-A					TSTF-411 is based on WCAP-15376-P, which did not consider the AP1000 design in the analysis.
		TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-444-T	ML022470169	ESFAS Interlocks P-4, P-11 & P-12 LCO Actions and Surveillance Requirements Revisions	TSTF-444-T					TSTF-444-T is not applicable to the AP1000 GTS. The AP1000 design for the P-4, P-11, and P-12 interlocks is different than the NUREG-1431 design regarding the number of required channels and the implementation hardware.
		TSTF-483-T	Request copy of TSTF from NRC contact for GTST	Delete TS 3.3.1, Condition D, Power Range Neutron Flux - High Channel Inoperable	TSTF-483-T					TSTF-483-T is not applicable to the AP1000 GTS. TSTF-483-T is follow-on to TSTF-418-A, which relaxed TS completion times based on WCAP-14333-P. WCAP-14333-P did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.9	Engineered Safety Feature Actuation System (ESFAS) Manual Initiation	TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			

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3.3.10	Engineered Safety Feature Actuation System (ESFAS) Reactor Coolant System (RCS) Hot Leg Level Instrumentation	TSTF-411-A	ML022470164	Surveillance Test Interval Extensions for Components of the Reactor Protection System (WCAP-15376-P)	TSTF-411-A					TSTF-411 is based on WCAP-15376-P, which did not consider the AP1000 design in the analysis.
		TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.11	QUADRANT POWER TILT RATIO (QPTR)	TSTF-411-A	ML022470164	Surveillance Test Interval Extensions for Components of the Reactor Protection System (WCAP-15376-P)	TSTF-411-A					TSTF-411 is based on WCAP-15376-P, which did not consider the AP1000 design in the analysis.
		TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.12	Engineered Safety Feature Actuation System (ESFAS) Reactor Trip Initiation	TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-444-T	ML022470169	ESFAS Interlocks P-4, P-11 & P-12 LCO Actions and Surveillance Requirements Revisions	TSTF-444-T					TSTF-444-T is not applicable to the AP1000 GTS. The AP1000 design for the P-4, P-11, and P-12 interlocks is different than the NUREG-1431 design regarding the number of required channels and the implementation hardware.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.13	Engineered Safety Feature Actuation System (ESFAS) Control Room Air Supply Radiation Instrumentation	TSTF-411-A	ML022470164	Surveillance Test Interval Extensions for Components of the Reactor Protection System (WCAP-15376-P)	TSTF-411-A					TSTF-411 is based on WCAP-15376-P, which did not consider the AP1000 design in the analysis.
		TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.14	Engineered Safety Feature Actuation System (ESFAS) Spent Fuel Pool Level Instrumentation	TSTF-411-A	ML022470164	Surveillance Test Interval Extensions for Components of the Reactor Protection System (WCAP-15376-P)	TSTF-411-A					TSTF-411 is based on WCAP-15376-P, which did not consider the AP1000 design in the analysis.
		TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.15	Engineered Safety Feature Actuation System (ESFAS) Actuation Logic - Operating	TSTF-411-A	ML022470164	Surveillance Test Interval Extensions for Components of the Reactor Protection System (WCAP-15376-P)	TSTF-411-A					TSTF-411 is based on WCAP-15376-P, which did not consider the AP1000 design in the analysis.
		TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			
3.3.16	Engineered Safety Feature Actuation System (ESFAS) Actuation Logic - Shutdown	TSTF-411-A	ML022470164	Surveillance Test Interval Extensions for Components of the Reactor Protection System (WCAP-15376-P)	TSTF-411-A					TSTF-411 is based on WCAP-15376-P, which did not consider the AP1000 design in the analysis.
		TSTF-418-A	ML030650848	RPS and ESFAS Test Times and Completion Times (WCAP-14333)	TSTF-418-A					TSTF-418 is based on WCAP-14333-P, which did not consider the AP1000 design in the analysis.
		TSTF-519-T	ML093350037	Increase Standardization in Condition and Required Action Notes			TSTF-519-T			

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3.3.17	Post Accident Monitoring (PAM) Instrumentation	TSTF-359-A	ML031190607	Increase Flexibility in MODE Restraints		TSTF-359-A				The clarified statement of LCO 3.0.4 eliminates the need for most LCO 3.0.4 exceptions in the Specifications.
		TSTF-369-A	ML040050211	Removal of Monthly Operating Report and Occupational Radiation Exposure Report		TSTF-369-A				Reporting Requirements have been changed prompting a renumbering within TS 5.6.
		TSTF-447-A	ML032020007	Elimination of Hydrogen Recombiners and Change to Hydrogen and Oxygen Monitors				TSTF-447-A		Subsection 3.3.3 of GTS Rev. 19 is consistent with TSTF-447-A.
		TSTF-470-T	Request copy of TSTF from NRC contact for GTST	Correct Titles and References in PAM Instrumentation Bases				TSTF-470-T		Subsection 3.3.3 of GTS Rev. 19 is consistent with TSTF-470-T.
3.3.18	Remote Shutdown Workstation (RSW)	TSTF-359-A	ML031190607	Increase Flexibility in MODE Restraints		TSTF-359-A				The clarified statement of LCO 3.0.4 eliminates the need for most LCO 3.0.4 exceptions in the Specifications.
3.3.19	Diverse Actuation System (DAS) Manual Controls	None								
3.4	Reactor Coolant System (RCS)	TSTF-425-A	ML090850627	Relocate Surveillance Frequencies to Licensee Control - RITSTF Initiative 5b					TSTF-425-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
		TSTF-432-A	ML103360003	Change in Technical Specification End States (WCAP-16294)					TSTF-432-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
		TSTF-505-A	Request copy of TSTF from NRC contact for GTST	Provide Risk-Informed Extended Completion Times - RITSTF Initiative 4b					TSTF-505-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
3.4.1	RCS Pressure, Temperature, and Flow DNB Limits	None								
3.4.2	RCS Minimum Temperature for Criticality	None								
3.4.3	RCS Pressure and Temperature (P/T) Limits	TSTF-499-T	Request copy of TSTF from NRC contact for GTST	Revise TS 3.4.3 Bases to Exclude the Pressurizer Surge Line from the P/T Limits		TSTF-499-T				This correction clears up any possible ambiguity related to the pressurizer surge line.
3.4.4	RCS Loops	TSTF-153-A	ML040500741	Clarify Exception Notes to be Consistent with the Requirement Being Excepted		TSTF-153-A				TSTF-153-A, Revision 0, was not applied to the AP1000 GTS. However, TSTF-438-A, Revision 0, supersedes TSTF-153-A and is applied by this GTST. TSTF-153 is included for informational purposes.
		TSTF-438-A	ML021580334	Clarify Exception Notes to be Consistent with the Requirement Being Excepted		TSTF-438-A				TSTF-438-A clarifies when all RCPs may be removed from operation.
		TSTF-449-A	ML051090200	Steam Generator Tube Integrity			TSTF-449-A			TSTF-449-A is included in Subsection 3.4.4 of GTS Rev. 19.
3.4.5	Pressurizer	None								
3.4.6	Pressurizer Safety Valves	TSTF-479-A	ML052990317	Changes to Reflect Revision of 10 CFR 50.55a			TSTF-479-A			TSTF-479-A is included in Subsection 3.4.6 of GTS Rev. 19.
3.4.7	RCS Operational Leakage	TSTF-449-A	ML051090200	Steam Generator Tube Integrity			TSTF-449-A			TSTF-449-A is included in Subsection 3.4.7 of GTS Rev. 19.
3.4.8	Minimum RCS Flow	TSTF-153-A	ML040500741	Clarify Exception Notes to be Consistent with the Requirement Being Excepted		TSTF-153-A				TSTF-153-A, Revision 0, was not applied to the AP1000 GTS. However, TSTF-438-A, Revision 0, supersedes TSTF-153-A and is applied by this GTST. TSTF-153 is included for informational purposes.
		TSTF-438-A	ML021580334	Clarify Exception Notes to be Consistent with the Requirement Being Excepted		TSTF-438-A				TSTF-438-A clarifies when all RCPs may be removed from operation.
3.4.9	RCS Leakage Detection Instrumentation	TSTF-205-A	ML040570179	Revision of Channel Calibration, Channel Functional Test, and Related Definitions		TSTF-205-A				The bases discussion of SR 3.4.9.2 is revised to add clarity regarding a successful Channel Operational Test.
		TSTF-359-A	ML031190607	Increase Flexibility in MODE Restraints		TSTF-359-A				The clarified statement of LCO 3.0.4 eliminates the need for most LCO 3.0.4 exceptions in the Specifications.
		TSTF-513-A	ML102360355	Revise PWR Operability Requirements and Actions for RCS Leakage Instrumentation		TSTF-513-A				TSTF-513-A, Rev 3 revises the Bases to clearly define the RCS leakage detection instrumentation Operability requirements
3.4.10	RCS Specific Activity	TSTF-359-A	ML031190607	Increase Flexibility in MODE Restraints		TSTF-359-A				The clarified statement of LCO 3.0.4 eliminates the need for most LCO 3.0.4 exceptions in the Specifications.
3.4.11	Automatic Depressurization System (ADS) – Operating	None								
3.4.12	Automatic Depressurization System (ADS) – Shutdown, RCS Intact	None								

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3.4.13	Automatic Depressurization System (ADS) – Shutdown, RCS Open	None								
3.4.14	Low Temperature Overpressure Protection (LTOP) System	TSTF-359-A	ML031190607	Increase Flexibility in MODE Restraints		TSTF-359-A				The clarified statement of LCO 3.0.4 eliminates the need for most LCO 3.0.4 exceptions in the Specifications.
		TSTF-479-A	ML052990317	Changes to Reflect Revision of 10 CFR 50.55a			TSTF-479-A			TSTF-479-A is included in Subsection 3.4.14 of GTS Rev. 19.
		TSTF-481-T	Request copy of TSTF from NRC contact for GTST	Correct Bases for LTOP COT	TSTF-481-T					TSTF-481-T clarifies WOG STS SR 3.4.12.8 regarding a COT on the PORVs to verify that the PORV is capable of performing its LTOP function. The AP1000 design does not utilize pressurizer PORVs to provide LTOP protection and a similar SR for the AP1000 does not exist.
3.4.15	RCS Pressure Isolation Valve Leakage	TSTF-479-A	ML052990317	Changes to Reflect Revision of 10 CFR 50.55a			TSTF-479-A			TSTF-479-A is included in Subsection 3.4.15 of GTS Rev. 19.
3.4.16	Reactor Vessel Head Vent (RVHV)	None								
3.4.17	Chemical and Volume Control System (CVS) makeup Isolation Valves	None								
3.4.18	Steam Generator (SG) Tube Integrity	TSTF-449-A	ML051090200	Steam Generator Tube Integrity			TSTF-449-A			TSTF-449-A is included in Subsection 3.4.18 of GTS Rev 19.
		TSTF-510-A	ML110610350	Revision to Steam Generator Program Inspection Frequencies and Tube Sample Selection		TSTF-510-A				GTS Specification 3.4.18 is updated to include “plugging [or repair] criteria,” instead of “repair criteria” in the LCO statement.
3.5	Passive Core Cooling System (PXS)	TSTF-425-A	ML090850627	Relocate Surveillance Frequencies to Licensee Control - RITSTF Initiative 5b					TSTF-425-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
		TSTF-432-A	ML103360003	Change in Technical Specification End States (WCAP-16294)					TSTF-432-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
		TSTF-505-A	Request copy of TSTF from NRC contact for GTST	Provide Risk-Informed Extended Completion Times - RITSTF Initiative 4b					TSTF-505-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
3.5.1	Accumulators	TSTF-370-A	ML003771348	Increase accumulator Completion Time from 1 hour to 24 hours (WCAP-15049)	TSTF-370-A					The AP1000 accumulator design and associated required action completion times in Subsection 3.5.1 of GTS Rev. 19 differ from the accumulator design of the conventional Westinghouse plant and the associated required action completion times in WOG STS Subsection 3.5.1.
3.5.2	Core Makeup Tanks (CMTs) - Operating	TSTF-479-A	ML052990317	Changes to Reflect Revision of 10 CFR 50.55a	TSTF-479-A					The AP1000 design does not utilize pumps in the pasive core cooling system (PXS).
3.5.3	Core Makeup Tanks (CMTs) - Shutdown, Reactor Coolant System (RCS) Intact	TSTF-359-A	ML031190607	Increase Flexibility in MODE Restraints	TSTF-359-A					The AP1000 design does not utilize pumps in the pasive core cooling system (PXS).
3.5.4	Passive Residual Heat Removal Heat Exchanger (PRHR HX) - Operating	TSTF-359-A	ML031190607	Increase Flexibility in MODE Restraints	TSTF-359-A					The AP1000 PRHR HX differs in design compared to the conventional Westinghouse AFW system design.
		TSTF-412-A	ML070100363	Provide Actions for One Steam Supply to Turbine Driven AFW/EFW Pump Inoperable	TSTF-412-A					The AP1000 PXS design does not utilize AFW pumps for safety related decay heat removal.
		TSTF-439-A	ML051860296	Eliminate Second Completion Times Limiting Time From Discovery of Failure To Meet an LCO	TSTF-439-A					GTS Rev. 19, Subsection 3.5.4 does not include equivalent Required Actions, due to design differences.
		TSTF-479-A	ML052990317	Changes to Reflect Revision of 10 CFR 50.55a	TSTF-479-A					The AP1000 PRHR HX differs in design compared to the conventional Westinghouse AFW system design.
3.5.5	Passive Residual Heat Removal Heat Exchanger (PRHR HX) – Shutdown, Reactor Coolant System (RCS) Intact	None								
3.5.6	In-containment Refueling Water Storage Tank (IRWST) – Operating	None								
3.5.7	In-containment Refueling Water Storage Tank (IRWST) – Shutdown, MODE 5	None								

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3.5.8	In-containment Refueling Water Storage Tank (IRWST) – Shutdown, MODE 6	None								
3.6	Containment Systems	TSTF-425-A	ML090850627	Relocate Surveillance Frequencies to Licensee Control - RITSTF Initiative 5b					TSTF-425-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
		TSTF-432-A	ML103360003	Change in Technical Specification End States (WCAP-16294)					TSTF-432-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
		TSTF-446-A	ML080510164	Risk Informed Evaluation of Extensions to Containment Isolation Valve Completion Times (WCAP-15791)					TSTF-446-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
		TSTF-505-A	Request copy of TSTF from NRC contact for GTST	Provide Risk-Informed Extended Completion Times - RITSTF Initiative 4b					TSTF-505-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
3.6.1	Containment	TSTF-52-A	ML040400371	Implement 10 CFR 50, Appendix J, Option B		TSTF-52-A				Subsection 3.6.1 of GTS Rev. 19 already includes some of the TSTF-52-A changes. The remaining TSTF-52-A changes are incorporated in AP1000 STS 3.6.1.
		TSTF-343-A	Request copy of TSTF from NRC contact for GTST	Containment Structural Integrity	TSTF-343-A					AP1000 GTS did not include the exceptions made by TSTF-343 for the testing of the containment leakage. The exceptions are for prestressed concrete structure. This does not apply to AP1000 containment design.
3.6.2	Containment Air Locks	TSTF-52-A	ML040400371	Implement 10 CFR 50, Appendix J, Option B		TSTF-52-A				Subsection 3.6.2 of GTS Rev. 19 already includes some of the TSTF-52-A changes. The remaining TSTF-52-A changes are incorporated in AP1000 STS 3.6.2.
3.6.3	Containment Isolation Valves	TSTF-440-A	ML021580348	Eliminate Bases Requirement for Performing a System Walkdown		TSTF-440-A				TSTF-440-A removes specific requirements to perform a system walkdown when verifying that a flow path is isolated or that valves are in the correct position.
3.6.4	Containment Pressure	None								
3.6.5	Containment Air Temperature	TSTF-401-A	ML011620490	Revise Incorrect Bases for Containment Air Temperature		TSTF-401-A				Discussion of peak accident temperature maintained below the containment design temperature is revised. The AP1000 original wording differs from the original wording of the WOG STS, but the change is still applicable.
3.6.6	Passive Containment Cooling System (PCS)	TSTF-439-A	ML051860296	Eliminate Second Completion Times Limiting Time From Discovery of Failure To Meet an LCO	TSTF-439-A					The AP1000 LCO does not include equivalent Required Actions, due to the design differences between the PCS and the containment cooling systems provided by the conventional Westinghouse plant's pre-stressed concrete large dry containment.
		TSTF-440-A	ML021580348	Eliminate Bases Requirement for Performing a System Walkdown		TSTF-440-A				TSTF-440-A removes specific requirements to perform a system walkdown when verifying that a flow path is isolated or that valves are in the correct position.
		TSTF-479-A	ML052990317	Changes to Reflect Revision of 10 CFR 50.55a	TSTF-479-A					The AP1000 PCS design does not utilize containment spray pumps.
3.6.6 [GTS 3.6.7]	Passive Containment Cooling System (PCS) - Shutdown	None								
3.6.7 [GTS 3.6.8]	Containment Penetrations	None								
3.6.8 [GTS 3.6.9]	pH Adjustment	TSTF-440-A	ML021580348	Eliminate Bases Requirement for Performing a System Walkdown	TSTF-440-A					GTS Rev. 19 Subsection 3.6.9 does not include a similar Surveillance Requirement.
3.6.9 [GTS 3.6.10]	Vacuum Relief Valves	TSTF-479-A	ML052990317	Changes to Reflect Revision of 10 CFR 50.55a				TSTF-479-A		The AP1000 already includes the use of "ASME OM Code" in the Bases for verifying operability of vacuum relief flow path.
3.7	Plant Systems	TSTF-412-A	ML070100363	Provide Actions for One Steam Supply to Turbine Driven AFW/EFW Pump Inoperable	TSTF-425-A					The AP1000 design does not utilize auxiliary feedwater (AFW) pumps.
		TSTF-425-A	ML090850627	Relocate Surveillance Frequencies to Licensee Control - RITSTF Initiative 5b					TSTF-425-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
		TSTF-432-A	ML103360003	Change in Technical Specification End States (WCAP-16294)					TSTF-432-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.
		TSTF-505-A	Request copy of TSTF from NRC contact for GTST	Provide Risk-Informed Extended Completion Times - RITSTF Initiative 4b					TSTF-505-A	Risk-informed TS changes will be considered at a later time for application to the AP1000 STS.

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3.7.1	Main Steam Safety Valves (MSSVs)	TSTF-479-A	ML052990317	Changes to Reflect Revision of 10 CFR 50.55a			TSTF-479-A			TSTF-479-A is included in Subsection 3.7.1 of GTS Rev. 19.
3.7.2	Main Steam Isolation Valves (MSIVs)	TSTF-479-A	ML052990317	Changes to Reflect Revision of 10 CFR 50.55a			TSTF-479-A			TSTF-479-A is included in Subsection 3.7.2 of GTS Rev. 19.
		TSTF-491-A	ML061500078	Removal of Main Steam and Main Feedwater Valve Isolation Times From Technical Specifications		TSTF-491-A				Generic Letter 93-08 indicates that equipment actuation times do not need to be in the technical specifications.
		TSTF-504-T	Request copy of TSTF from NRC contact for GTST	Revised the MSIV and MFIV Specifications to Provide Actions for Actuator Trains	TSTF-504-T					TSTF-504-T, Rev. 0 revises WOG Specification 3.7.2 based on license amendments granted for Wolf Creek, Callaway, and Palo Verde regarding dual actuator trains for isolation valves. The Westinghouse plant design feature addressed by this TSTF is not applicable to AP1000 MSIV and MFIV actuator design.
3.7.3	Main Feedwater Isolation and Control Valves (MFIVs and MFCVs)	TSTF-479-A	ML052990317	Changes to Reflect Revision of 10 CFR 50.55a			TSTF-479-A			TSTF-479-A is included in Subsection 3.7.3 of GTS Rev. 19.
		TSTF-491-A	ML061500078	Removal of Main Steam and Main Feedwater Valve Isolation Times From Technical Specifications		TSTF-491-A				Generic Letter 93-08 indicates that equipment actuation times do not need to be in the technical specifications.
		TSTF-504-T	Request copy of TSTF from NRC contact for GTST	Revise the MSIV and MFIV Specifications to Provide Actions for Actuator Trains	TSTF-504-T					TSTF-504-T, Rev. 0 revises WOG Specification 3.7.3 based on license amendments granted for Wolf Creek, Callaway, and Palo Verde regarding dual actuator trains for isolation valves. The Westinghouse plant design feature addressed by this TSTF is not applicable to AP1000 MSIV and MFIV actuator design.
3.7.4	Secondary Specific Activity	None								
3.7.5	Spent Fuel Pool Water Level	None								
3.7.6	Main Control Room Emergency Habitability System (VES)	TSTF-448-A	ML062210095 ML063630467	Control Room Habitability			TSTF-448-A			TSTF-448-A is included in Subsection 3.7.6 of GTS Rev. 19,
3.7.7	Startup Feedwater Isolation and Control Valves	None								
3.7.8	Main Steam Line Leakage	None								
3.7.9	Spent Fuel Pool Makeup Water Sources	None								
3.7.10	Steam Generator (SG) Isolation Valves	TSTF-359-A	ML031190607	Increase Flexibility in MODE Restraints	TSTF-359-A					The clarified statement of LCO 3.0.4 eliminates the need for most LCO 3.0.4 exceptions in the Specifications. However, there is no such Note in TS 3.7.10.
3.7.11	Spent Fuel Pool Boron Concentration	None								
3.7.12	Spent Fuel Pool Storage	None								
3.8.1	DC Sources – Operating	TSTF-432	ML103360003	Change in Technical Specification End States (WCAP-16294)	TSTF-432					TSTF-432 is a topical report that is not.applicable to AP1000.
		TSTF-451-T	Request copy of TSTF from NRC contact for GTST	Correct the Battery Monitoring and Maintenance Program and the Bases of SR 3.8.4.2		TSTF-451-T				TSTF-451-T was incorporated in VEGP 3&4 PTS in COL Amendment 13
		TSTF-500	ML092670242	DC Electrical Rewrite - Update to TSTF-360		TSTF-500				Some of the changes in TSTF-500 were already included in GTS Rev. 19; VEGP LAR DOC L22 addresses changes similar to TSTF-500 that were incorporated by Amendment 13 in the plant-specific TS.
3.8.2	DC Sources – Shutdown	TSTF-471-A	ML062860320	Eliminate use of term CORE ALTERATIONS in ACTIONS and Notes		TSTF-471-A				VEGP LAR DOC L03 is consistent with TSTF-471-A.
		TSTF-500	ML092670242	DC Electrical Rewrite - Update to TSTF-360		TSTF-500				
3.8.3	Inverters – Operating	TSTF-432	ML103360003	Change in Technical Specification End States (WCAP-16294)	TSTF-432					TSTF-432 is a topical report that is not.applicable to AP1000.
3.8.4	Inverters – Shutdown	TSTF-471-A	ML062860320	Eliminate use of term CORE ALTERATIONS in ACTIONS and Notes		TSTF-471-A				VEGP LAR DOC L03 is consistent with TSTF-471-A.
3.8.5	Distribution Systems – Operating	TSTF-432	ML103360003	Change in Technical Specification End States (WCAP-16294)	TSTF-432					TSTF-432 is a topical report that is not.applicable to AP1000.
		TSTF-439-A	ML051860296	Eliminate Second Completion Times Limiting Time From Discovery of Failure To Meet an LCO		TSTF-439-A				VEGP LAR DOC L04 is consistent with TSTF-439-A.

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3.8.6	Distribution Systems – Shutdown	TSTF-471-A	ML062860320	Eliminate use of term CORE ALTERATIONS in ACTIONS and Notes		TSTF-471-A				VEGP LAR DOC L03 is consistent with TSTF-471-A.
3.8.7	Battery Parameters	TSTF-500	ML092670242	DC Electrical Rewrite - Update to TSTF-360		TSTF-500				VEGP LAR DOC L21 is consistent with TSTF-500.
3.9.1	Boron Concentration	TSTF-51-A	ML040400343	Revise containment requirements during handling irradiated fuel and core alterations		TSTF-51-A				TSTF-51-A eliminates the use of the term CORE ALTERATION as in TSTF-471-A. TSTF-471-A was incorporated in VEGP 3&4 PTS in COL Amendment 13 (DOC L03)
		TSTF-471-A	ML062860320	Eliminate use of term CORE ALTERATIONS in ACTIONS and Notes		TSTF-471-A				TSTF-471-A was incorporated in VEGP 3&4 PTS in COL Amendment 13 (DOC L03)
3.9.2	Unborated Water Source Flow Paths	TSTF-471-A	ML062860320	Eliminate use of term CORE ALTERATIONS in ACTIONS and Notes		TSTF-471-A				TSTF-471-A was incorporated in VEGP 3&4 PTS in COL Amendment 13 (DOC L03)
3.9.3	Nuclear Instrumentation	TSTF-471-A	ML062860320	Eliminate use of term CORE ALTERATIONS in ACTIONS and Notes		TSTF-471-A				TSTF-471-A was incorporated in VEGP 3&4 PTS in COL Amendment 13 (DOC L03)
3.9.4	Refueling Cavity Water Level	None								
[3.9.5]	Containment Penetration	None								VEGP LAR DOC R1 relocated PTS Subsection 3.9.5 to Technical Requirements Manual (TRM)
[3.9.6]	Containment Air Filtration System (VFS)	None								VEGP LAR DOC R2 relocated PTS Subsection 3.9.6 to Technical Requirements Manual (TRM)
3.9.5 [3.9.7]	Decay Time	None								VEGP LAR DOCs R1 and R2 renumber PTS Subsection 3.9.7 as Subsection 3.9.5
4.0	Design Features	None								
5.1	Responsibility	TSTF-65-A	ML040080572	Use of generic titles for utility positions		TSTF-65-A				TSTF-65-A was incorporated in VEGP 3&4 PTS in COL Items 5.1.1 and 5.1.2
5.2	Organization	TSTF-65-A	ML040080572	Use of generic titles for utility positions		TSTF-65-A				TSTF-65-A was incorporated in VEGP 3&4 PTS in COL Item 5.2.1
		TSTF-511-A	ML082610292	Eliminate Working Hour Restrictions from TS 5.2.2 to Support Compliance with 10 CFR Part 26		TSTF-511-A				TSTF-511-A was incorporated in VEGP 3&4 PTS in COL Item 5.2.2
5.3	Unit Staff Qualifications	None								VEGP 3&4 PTS COL Items 5.3 and 5.3.1 made changes to PTS Section 5.3
5.4	Procedures	None								
5.5.1.	Offsite Dose Calculation Manual (ODCM)	TSTF-369-A	ML040050211	Removal of Monthly Operating Report and Occupational Radiation Exposure Report		TSTF-369-A				TSTF-369-A was incorporated in VEGP 3&4 PTS Subsection 5.5.1 by COL Amendment 13 (DOC L02)
5.5.2	Radioactive Effluent Controls Program	TSTF-258-A	ML040620102	Changes to Section 5.0, Administrative Controls		TSTF-258-A				TSTF-258-A was incorporated in VEGP 3&4 PTS Subsection 5.5.2 by COL Amendment 13 (DOC L23)
5.5.3	Inservice Testing Program	TSTF-279-A	ML040611066	Remove "applicable supports" from Inservice Testing Program		TSTF-279-A				
		TSTF-479-A	ML052990317	Changes to Reflect Revision of 10 CFR 50.55a		TSTF-479-A				TSTF-479-A was incorporated in VEGP 3&4 PTS Subsection 5.5.3 by COL Amendment 13 (DOCs A119 and L24)
		TSTF-497-A	ML061930221	Limit Inservice Testing Program SR 3.0.2 Application to Frequencies of 2 Years or Less		TSTF-497-A				TSTF-471-A was incorporated in VEGP 3&4 PTS Subsection 5.5.3 by COL Amendment 13 (DOC L24)
5.5.4	Steam Generator (SG) Program	TSTF-449-A	ML051090200	Steam Generator Tube Integrity		TSTF-449-A				TSTF-419-A was incorporated in VEGP 3&4 PTS Subsection 5.5.4 by COL Amendment 13 (DOC L04)
		TSTF-510	ML110610350	Revision to Steam Generator Program Inspection Frequencies and Tube Sample Selection		TSTF-510				TSTF-471-A was incorporated in VEGP 3&4 PTS Subsection 5.5.4 by COL Amendment 13 (DOC L03)
5.5.5	Secondary Water Chemistry Program	None								
5.5.6	Technical Specifications (TS) Bases Control Program	None								

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5.5.7	Safety Function Determination Program (SFDP	TSTF-273-A	ML040611069	SFDP Clarifications				TSTF-273-A		Subsection 5.5.7 of GTS Rev. 19 does not include the text used in TSTF-273-A regarding the use of diesel generators (DGs) because the AP1000 DGs are not safety related and are not included in GTS.
5.5.8	Containment Leakage Rate Testing Program	TSTF-343-A	Request copy of TSTF from NRC contact for GTST	Containment Structural Integrity	TSTF-343-A					Subsection 5.5.8 of GTS Rev. 19 does not include the two exceptions made by TSTF-343 for the testing of the containment leakage. The exceptions are for a containment structure using prestressed concrete, which does not apply to the AP1000 containment design.
5.5.9	System Level OPERABILITY Testing Program	None								
5.5.10	Component Cyclic or Transient Limit	None								
5.5.11	Battery Monitoring and Maintenance Program	TSTF-451-T	Request copy of TSTF from NRC contact for GTST	Correct the Battery Monitoring and Maintenance Program and the Bases of SR 3.8.4.2		TSTF-451-T				
		TSTF-500	ML092670242	DC Electrical Rewrite - Update to TSTF-360		TSTF-500				
5.5.12	Main Control Room Envelope Habitability Program	TSTF-448-A	ML062210095	Control Room Habitability Section 5.5.13: Ventilation Filter Testing Program				TSTF-448-A		Subsectionn 5.5.12 was included in GTS Rev. 19 to incorporate TSTF-448, with minor changes to the text as appropriate to its design.
5.5.13	Ventilation Filter Testing Program	None								
5.5.14	Setpoint Control Program	None								
5.6	Reporting Requirements	TSTF-369-A	ML040050211	Removal of Monthly Operating Report and Occupational Radiation Exposure Report		TSTF-369-A				TSTF-369-A was incorporated in VEGP 3&4 PTS Subsection 5.6.1 by COL Amendment 13 (DOC L02)
		TSTF-419-A	ML012690234	Revise PTLR Definition and References in ISTS 5.6.6, RCS PTLR				TSTF-419-A		TSTF-419-A revised the bracketed text of WOG STS Subsection 5.6.6 to require including the date for approved documents. GTS Subsection 5.6.6 included documents specific to its design, with no brackets.
		TSTF-447-A	ML032020007	Elimination of Hydrogen Recombiners and Change to Hydrogen and Oxygen Monitors	TSTF-447-A					Along with deleteing Condition D ("Two hydrogen monitor channels inoperable") of Subsection 3.3.3 from WOG STS Rev. 2, in Subsection 5.6.7, TSTF-447 changed the reference to the actions table of Subsection 3.3.3 from "Condition G of LCO 3.3.[3]" to "Condition F of LCO 3.3.[3]"; this change is irrelevant to GTS Rev. 19 because GTS Subsection 3.3.3 includes neither Condition D nor Condition G ("As required by Required Action E.1 and referenced in Table 3.3.3-1") of WOG STS Rev. 2. That is, GTS Subsection 5.6.7 does not reference a Condition G; GTS 5.6.7 only references "Condition B of LCO 3.3.3." GTS 3.3.3 Action B which states: "Required Action and associated Completion Time of Condition A not met. | B.1 Initiate action in accordance with Specification 5.6.7. | Immediately"
		TSTF-449-A	ML051090200	Steam Generator Tube Integrity		TSTF-449-A				TSTF-471-A was incorporated in VEGP 3&4 PTS Subsection 5.6.6 [5.6.8] by COL Amendment 13 (DOC L03)
		TSTF-490-A	ML052630462	Deletion of E Bar definition and revision to RCS specific activity				TSTF-490-A		GTS 1.1 deleted the definition of E Bar (similar to TSTF-490-A) but kept its definition of Dose Equivalent I-131
		TSTF-510	ML110610350	Revision to Steam Generator Program Inspection Frequencies and Tube Sample Selection		TSTF-510				
5.7	High Radiation Area	None								

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