ATTACHMENT 4

Point Beach Units 1 and 2
License Amendment Request to Revise Technical Specifications
to Adopt Risk Informed Completion Times TSTF-505, Revision 2,
"Provide Risk-Informed Extended Completion Times - RITSTF Initiative 4b"

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.3.1, Table 3.3.1-1 RTS Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
Manual Rx Trip (Modes 1,2)	FU1	Condition B	Yes	FU1	Condition B	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition B into B and Z; LAR splits Condition B into B and Y.
Manual Rx Trip (Modes 3, 4, 5)	FU1	Condition C	Yes	FU1	Condition C	No	NA
Power Range Neutron Flux - High	FU2a	Condition D	Yes	FU2a	Condition D	Yes	Plant-specific variation (Section 2.4.2) – PB Action D.1 requires placing channel in trip; TSTF Action D.1 requires placing channel in trip and either THERMAL POWER reduction or SR 3.2.4.2 performance. Administrative variation (Section 2.4.1.6) – TSTF splits Condition D into D and Z; LAR splits Condition D into D and Y. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition D 72-hr CT.
Power Range Neutron Flux - Low	FU2b	Condition E	Yes	FU2b	Condition D	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition E into E and Z; LAR splits Condition D into D and Y. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition D 72-hr CT.
Power Range Neutron Flux Rate, High Positive Rate	FU3a	Condition E	Yes	- - -	- - -	- - -	NA
Power Range Neutron Flux Rate, High Negative Rate	FU3b	Condition E	Yes	- - -	- - -	- - -	NA
Intermediate Range Neutron Flux	FU4	Condition F, G	No	FU3	Condition F, G	No	NA
Source Range Neutron Flux (Mode 2)	FU5	Condition H, I	No	FU4	Condition H, I	No	NA
Source Range Neutron Flux (Modes 3, 4, 5)	FU5	Condition I, J	Yes*	FU4	Condition I, J	No	**TSTF allows RICT for Condition J only.*
Overtemperature ΔT	FU6	Condition E	Yes	FU5	Condition D	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition E into E and Z; LAR splits Condition D into D and Y. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition E 72-hr C

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.3.1, Table 3.3.1-1 RTS Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
Overpower ΔT	FU7	Condition E	Yes	FU6	Condition D	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition E into E and Z; LAR splits Condition D into D and Y. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition E 72- hr CT.
Pressurizer Pressure - Low	FU8a	Condition L	Yes	FU7a	Condition K	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition L into L and M; LAR splits PB Condition K into K and Z Administrative variation (Section 2.4.1.7) – PB Condition K has 1-hr CT vs. TSTF Condition L 72-hr CT.
Pressurizer Pressure - High	FU8b	Condition E	Yes	FU7b	Condition D	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition E into E and Z; LAR splits Condition D into D and Y. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition E 72-hr CT.
Pressurizer Water Level - High	FU9	Condition L	Yes	FU8	Condition K	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition L into L and M; LAR splits PB Condition K into K and Z Administrative variation (Section 2.4.1.7) – PB Condition K has 1-hr CT vs. TSTF Condition L 72-hr CT.
Reactor Coolant Flow - Low	FU10	Condition L	Yes	---	---	---	NA
Reactor Coolant Flow - Low (single loop)	---	---	---	FU9a	Condition L	Yes	Plant-specific variations (Section 2.4.2) – TSTF doesn't specify number of RCS loops; STS Bases, Condition L applies to "one or more" RCS loops. – TSTF splits Condition L into L and M where Condition M requires power reduction to <P-7 within 6-hours. LAR splits Condition L into L and AA where Condition AA requires power reduction to <P-8 within 4-hours. Administrative variation (Section 2.4.1.7) – PB Condition L has 1-hr CT vs. TSTF Condition L 72-hr CT.

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.3.1, Table 3.3.1-1 RTS Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
Reactor Coolant Flow - Low (Two loops)	- - -	- - -	- - -	FU9b	Condition K	Yes	Plant-specific variations (Section 2.4.2) – TSTF doesn't specify number of RCS loops, but per STS Bases, Condition L applies to "one or more" RCS loops. Administrative variation (Section 2.4.1.6) – TSTF splits Condition L into L and M; LAR splits PB Condition K into K and Z Administrative variation (Section 2.4.1.7) – PB Condition K has 1-hr CT vs. TSTF Condition L 72-hr CT.
RCP breaker position one loop	FU11a	Condition N	Yes	FU10a	Condition M	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition N into N and O; LAR splits PB Condition M into M and AA.
RCP breaker position 2 loops	FU11b	Condition P	Yes	FU10b	Condition N	Yes	Administrative variation (Section 2.4.1.5) – TSTF Condition P places channel in trip; PB Condition N restores channel operability. Administrative variation (Section 2.4.1.6) – TSTF splits Condition P into P and Q; LAR splits PB Condition N into N and Z.
Undervoltage RCPs	FU12	Condition L	Yes	- - -	- - -	- - -	NA
Underfrequency RCPs	FU13	Condition L	Yes	- - -	- - -	- - -	NA
Undervoltage Bus A01, A02	- - -	- - -	- - -	FU11	Condition K	Yes	Administrative variation (Section 2.4.1.5) – Assumes PB FU11 same as TSTF FU12 Administrative variation (Section 2.4.1.6) – TSTF splits Condition L into L and M; LAR splits PB Condition K into K and Z. Administrative variation (Section 2.4.1.7) – PB Condition K has 1-hr CT vs. TSTF Condition L 72-hr CT.
Underfrequency Bus A01, A02	- - -	- - -	- - -	FU12	Condition E	Yes	Administrative variations (Section 2.4.1.5) – Assumes PB FU12 same as TSTF FU13. Administrative variation (Section 2.4.1.6) – TSTF splits Condition L into L and M; LAR splits PB Condition E into E and Z. Administrative variation (Section 2.4.1.7) – PB Condition E has 6-hr CT vs. TSTF Condition L 72-hr CT

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.3.1, Table 3.3.1-1 RTS Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
SG Water Level Low-Low	FU14	Condition E	Yes	FU13	Condition D	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition E into E and Z; LAR splits Condition D into D and Y. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition E 72-hr CT.
SG Water Level Low; Coincident w/ SteamFlow/FeedFlow Mismatch	FU15	Condition E	Yes	FU14	Condition D	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition E into E and Z; LAR splits Condition D into D and Y. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition E 72-hr CT.
Turbine trip on low oil pressure	FU16a	Condition R	Yes	FU15a	Condition O	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition R into R and S; LAR splits Condition O into O and BB. Administrative variation (Section 2.4.1.7) – PB Condition O has 1-hr CT vs. TSTF Condition R 72-hr CT.
Turbine trip on stop valve closure	FU16b	Condition R	Yes	FU15b	Condition O	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition R into R and S; LAR splits Condition O into O and BB. Administrative variation (Section 2.4.1.7) – PB Condition O has 1-hr CT vs. TSTF Condition R 72-hr CT.
SI input from ESFAS	FU17	Condition T	Yes	FU16	Condition P	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition T into T and Z; LAR splits Condition P into P and Y. Administrative variation (Section 2.4.1.7) – PB Condition P has 6-hr CT vs. TSTF Condition T 24-hr CT.
Rx Trip Interlocks intermediate range neutron flux (P6)	FU18a	Condition V	No	FU17a	Condition R	No	NA
Rx Trip Interlock low power Rx trip block (P7)	FU18b	Condition W	No	- - -	- - -	- - -	NA
Rx Trip Interlock low power Rx trip block power range neutron flux (P7)	- - -	- - -	- - -	FU17b (1)	Condition S	No	NA

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.3.1, Table 3.3.1-1 RTS Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
Rx Trip Interlock low power Rx trip block turbine first stage pressure	- - -	- - -	- - -	FU17b (2)	Condition S	No	NA
Rx Trip Interlocks power range neutron flux (P8)	FU18c	Condition W	No	FU17c	Condition S	No	NA
Rx Trip Interlocks power range neutron flux (P9)	FU18d	Condition W	No	FU17d	Condition S	No	NA
Rx Trip Interlocks power range neutron flux (P10)	FU18e	Condition V	No	FU17e	Condition R	No	NA
Rx Trip Interlocks turbine impulse pressure (P13)	FU18f	Condition W	No	- - -	- - -	- - -	NA
RTBs (Modes 1,2)	FU19	Condition U	Yes	FU18	Condition Q	Yes	Plant-specific variation (Section 2.4.2) – TSTF Condition U requires restoration of train to OPERABLE status; PB Condition Q requires restoration of RTB to OPERABLE status. Administrative variation (Section 2.4.1.6) – TSTF splits Condition U into U and Z; LAR splits Condition Q into Q and Y.
RTBs (Modes 3, 4, 5)	FU19	Condition C	Yes	FU18	Condition T	No	NA
RTB undervoltage and shunt trip (Modes 1, 2)	FU20	Condition Y	Yes	FU19	Condition U	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition Y into Y and Z; LAR splits Condition U into U and Y.
RTB undervoltage and shunt trip (Modes 3, 4, 5)	FU20	Condition C	Yes	FU19	Condition T	No	NA
Rx trip bypass breaker and undervoltage (Modes 1, 2)	- - -	- - -	- - -	FU 20	Condition V	No	NA
Rx trip bypass breaker and undervoltage (Modes 3, 4, 5)	- - -	- - -	- - -	FU 20	Condition W	No	NA
Auto trip logic (Modes 1, 2)	FU21	Condition T	Yes	FU21	Condition P	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition T into T and Z; LAR splits Condition P into P and Y. Administrative variation (Section 2.4.1.7) – PB Condition P has 6-hr CT vs. TSTF Condition T 24-hr CT.
Auto trip logic (Modes 3, 4, 5)	FU21	Condition C	Yes	FU21	Condition X	No	NA

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.3.2, Table 3.3.2-1 ESFAS Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
FU1, Safety Injection							
Manual initiation	FU1a	Condition B	Yes	FU1a	Condition B	Yes	No variation
Automatic Actuation Logic and Actuation Relays	FU1b	Condition C	Yes	FU1b	Condition C	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition C into C and M; LAR splits Condition C into C and L. Administrative variation (Section 2.4.1.7) – PB Condition C has 6-hr CT vs. TSTF Condition C 24-hr CT.
Containment Pressure - High	FU1c	Condition D	Yes	FU1c	Condition D	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition D into D and N; LAR splits Condition D into D and M. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition D 72-hr CT.
Pressurizer Pressure - Low	FU1d	Condition D	Yes	FU1d	Condition D	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition D into D and N; LAR splits Condition D into D and M. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition D 72-hr CT.
Steam Line Pressure - Low	FU1e(1)	Condition D	Yes	FU1e	Condition D	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition D into D and N; LAR splits Condition D into D and M. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition D 72-hr CT.
Steam Line Pressure - High ΔP between steam lines	FU1e(2)	Condition D	Yes	- - -	- - -	- - -	NA
High Steam Flow in Two Lines Coincident with T_{avg} - Low,Low	FU1f	Condition D	Yes	- - -	- - -	- - -	NA
High Steam Flow in Two Lines Coincident with Steam line pressure - Low	FU1g	Condition D	Yes	- - -	- - -	- - -	NA
FU2, Containment Spray							
Manual initiation	FU2a	Condition B	Yes	FU2a	Condition E	No	No

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.3.2, Table 3.3.2-1 ESFAS Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
Automatic Actuation Logic and Actuation Relays	FU2b	Condition C	Yes	FU2b	Condition C	No	Note added to Condition C prohibiting RICT for FU2b.
Containment Pressure High 3 (High High)	FU2c	Condition E	No	FU2c	Condition D	No	Note added to Condition D prohibiting RICT for FU2c.
Containment Pressure High 3 (Two loop plants)	FU2d	Condition E	No	- - -	- - -	- - -	NA
FU3, Containment Isolation							
Phase A Isolation - Manual Initiation	FU3a1	Condition B	Yes	FU3a	Condition B	Yes	Administrative variation (Section 2.4.1.5) - PB Condition does not distinguish Phase A vs. B. Administrative variation (Section 2.4.1.6) - TSTF splits Condition B into B and M; LAR splits Condition B into B and L.
Phase A Isolation - Automatic Actuation Logic and Actuation Relays	FU3a2	Condition C	Yes	FU3b	Condition C	Yes	Administrative variation (Section 2.4.1.5) - PB Condition does not distinguish Phase A vs. B. Administrative variation (Section 2.4.1.6) - TSTF splits Condition C into C and M; LAR splits Condition C into C and L.
Phase A Isolation - Safety Injection	FU3a3	Refers to FU1	NA	FU3c	Refers to FU1	NA	NA
Phase B Isolation - Manual Initiation	FU3b1	Condition B	Yes	- - -	- - -	- - -	NA
Phase B Isolation - Automatic Actuation Logic and Actuation Relays	FU3b2	Condition C	Yes	- - -	- - -	- - -	NA
Phase B Isolation -Containment Pressure High - 3 (High High)	FU3b3	Condition E	No	- - -	- - -	- - -	NA
FU 4, Steam Line Isolation							
Manual initiation	FU4a	Condition F	Yes	FU4a	Condition F	Yes	Administrative variation (Section 2.4.1.6) - TSTF splits Condition F into Fand N; LAR splits Condition F into F and M. Administrative variation (Section 2.4.1.7) - PB Condition F has 1-hr CT vs. TSTF Condition F 48-hr CT.
Automatic Actuation Logic and Actuation Relays	FU4b	Condition G	Yes	FU4b	Condition G	Yes	Administrative variation (Section 2.4.1.6) - TSTF splits Condition G into G and N; LAR splits Condition G into G and M. Administrative variation (Section 2.4.1.7)

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.3.2, Table 3.3.2-1 ESFAS Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
							– PB Condition G has 6-hr CT vs. TSTF Condition G 24-hr CT.
Containment Pressure - High 2	FU4c	Condition D	Yes	FU4c	Condition D	Yes	Administrative variation (Section 2.4.1.5) – Containment Pressure - High, High versus TSTF "High 2". Administrative variation (Section 2.4.1.6) – TSTF splits Condition D into D and N; LAR splits Condition D into D and M. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition D 72-hr CT.
Steam Line Pressure - Low	FU4d(1)	Condition D	Yes	---	---	---	NA
Steam Line Pressure - Negative Rate High	FU4d(2)	Condition D	Yes	---	---	---	NA
High Steam Flow in Two Steam Lines; Coincident with T_{avg} - Low, Low	FU4e	Condition D	Yes	---	---	---	NA
High Steam Flow in Two Steam Lines; Coincident with Steam Line Pressure - Low	FU4f	Condition D	Yes	---	---	---	NA
High Steam Flow Coincident with Safety Injection and Coincident with T_{avg} - Low, Low	FU4g	Condition D	Yes	FU4d	Condition D	Yes	Administrative variation (Section 2.4.1.5) – Coincident with T_{avg} Low vs. TSTF T_{avg} "Low, Low". Administrative variation (Section 2.4.1.6) – TSTF splits Condition D into D and N; LAR splits Condition D into D and M. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition D 72-hr CT.
High, High Steam Flow; Coincident with Safety Injection	FU4h	Condition D	Yes	FU4e	Condition D	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition D into D and N; LAR splits Condition D into D and M. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition D 72-hr CT.
FU5, Feedwater Isolation							
Automatic Actuation Logic and Actuation Relays	FU5a	Condition H	Yes	FU5a	Condition G	Yes	Plant-specific variation (Section 2.4.2) – TSTF splits Condition H into H and O, where Condition O requires MODE 3 entry in 24-hours. LAR splits Condition G

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.3.2, Table 3.3.2-1 ESFAS Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
							into G and M where Condition M requires MODE 3 entry in 6-hours and MODE 4 in 12-hours. Administrative variation (Section 2.4.1.7) – PB Condition G has 6-hr CT vs. TSTF Condition H 24-hr CT
SG Water Level - High, High (P-14)	FU5b	Condition I	Yes	FU5b	Condition D	Yes	Plant-specific variation (Section 2.4.2) – TSTF splits Condition I into I and O, where Condition O requires MODE 3 entry in 6-hours. LAR splits Condition D into D and M where Condition M requires MODE 3 entry in 6-hours and MODE 4 in 12-hours. Administrative variation (Section 2.4.1.5) – SG water level High vs. TSTF SG water level ”High, High”. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition I 72-hr CT.
Safety Injection	FU5c	Refers to FU1	NA	FU5c	Refers to FU1	NA	NA
FU 6, Auxiliary Feedwater							
Automatic Actuation Logic and Actuation Relays (Solid State Protection System)	FU6a	Condition G	Yes	FU6a	Condition G	Yes	Administrative variation (Section 2.4.1.5) – Does not distinguish SSPS vs. BOP ESFAS. Administrative variation (Section 2.4.1.6) – TSTF splits Condition G into G and M; LAR splits Condition G into G and M. Administrative variation (Section 2.4.1.7) – PB Condition G has 6-hr CT vs. TSTF Condition G 24-hr CT.
Automatic Actuation Logic and Actuation Relays (Balance of Plant ESFAS)	FU6b	Condition G	Yes	- - -	- - -	- - -	NA
SG Water Level - Low, Low	FU6c	Condition D	Yes	FU6b	Condition D	Yes	Administrative variation (Section 2.4.1.6) – TSTF splits Condition D into D and N; LAR splits Condition D into D and M. Administrative variation (Section 2.4.1.7) – PB Condition D has 1-hr CT vs. TSTF Condition D 72-hr CT.
Safety Injection	FU6d	Refers to FU1	NA	FU6c	Refers to FU1	NA	NA

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.3.2, Table 3.3.2-1 ESFAS Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
Loss of Offsite Power	FU6e	Condition F	Yes	- - -	- - -	- - -	NA
Undervoltage Reactor Coolant Pump	FU6f	Condition I	Yes	- - -	- - -	- - -	NA
Undervoltage A01 and A02	- - -	- - -	- - -	FU6d	Condition H	Yes	Administrative variation (Section 2.4.1.5) – TSTF LCO vs. PB LCO (i.e. RCP vs. A01 and A02). Administrative variation (Section 2.4.1.6) – TSTF for FU 6f splits Condition I into I and O; LAR splits Condition H into H and K.
Trip of all Main Feedwater Pumps	FU6g	Condition J	Yes	- - -	- - -	- - -	NA
Auxiliary Feedwater Pump Suction Transfer on Suction Pressure - Low	FU6h	Condition F	Yes	FU6e	Condition J	No	NA
FU7, Automatic Switchover to Containment sump							
Automatic Actuation Logic and Actuation Relays	FU7a	Condition C	Yes	- - -	- - -	- - -	NA
Refueling Water Storage Tank (RWST) Level - Low, Low; Coincident with Safety Injection	FU7b	Condition K	No	- - -	- - -	- - -	NA
RWST Level Low, Low; Coincident with Safety Injection; Coincident with Containment sump level - High	FU7c	Condition K	No	- - -	- - -	- - -	NA
SI Block - Pressurizer Pressure	- - -	- - -	- - -	FU7	Condition I	No	NA
FU 8, ESFAS Interlocks							
Reactor Trip, P-4	FU8a	Condition F	Yes	- - -	- - -	- - -	NA
Pressurizer Pressure, P-11	FU8b	Condition L	No	- - -	- - -	- - -	NA
T_{avg} - Low, Low P-12	FU8c	Condition L	No	- - -	- - -	- - -	NA

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.3.5, Loss of Power (LOP) Diesel Generator (DG) Start Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
3 loss of voltage channels per 4.16kV bus, and 3 degraded voltage channels per 4.16kV bus	LCO 3.3.5	Condition A	Yes	LCO 3.3.4	Condition A	No	NA
3 loss of voltage channels per 4.16kV bus 3 degraded voltage channels per 4.16kV bus	LCO 3.3.5	Condition B	Yes	LCO 3.3.4	Condition B	No	NA
3 loss of voltage channels per 4.16kV bus 3 degraded voltage channels per 4.16kV bus	- - -	- - -	- - -	LCO 3.3.4	Condition D	No	NA

TSTF Section 3.3.9, Boron Dilution Protection System (BDPS) Instrumentation Functional Units (FUs)	TSTF FU #	TSTF Applicable Condition	TSTF Allow RICT?	PB FU #	PB Applicable Condition	PB Request RICT?	Comments
2 BDPS trains	LCO 3.3.9	Condition A	Yes	- - -	- - -	- - -	NA
2 BDPS trains	LCO 3.3.9	Condition B	No	- - -	- - -	- - -	NA

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
TS 3.4, Reactor Coolant System						
STS 3.4.5 (Mode 3 applicable) [Two] RCS loops shall be OPERABLE and either: a. [Two] RCS loops shall be in operation when the Rod Control System is capable of rod withdrawal or b. One RCS loop shall be in operation when the Rod Control System is not capable of rod withdrawal	Condition A One required loop inoperable.	Yes	TS 3.4.5 Two RCS loops shall be OPERABLE and one shall be in operation	Condition A One required loop inoperable.	No	NA
STS 3.4.9 The pressurizer shall be OPERABLE with: a. Pressurizer water level ≤ [92]% b. Two groups of pressurizer heater OPERABLE with the capacity [of each group] > [125] kW [and capable of being powered from an emergency power supply]	Condition B One [required] group of Pressurizer heaters inoperable	Yes	TS 3.4.9 The pressurizer shall be OPERABLE with: a. Pressurizer water level ≤ 52% in MODE 1 or ≤ 88 in MODES 2 and 3; and b. At least 100 kW of pressurizer heaters capable of being powered from an emergency power supply OPERABLE	Condition B Required Pressurizer heaters inoperable	No	NA
STS 3.4.11 Each PORV and associated block valve shall be OPERABLE	Condition B One [or two] PORV[s] inoperable and not capable of being manually cycled	Yes	TS 3.4.11 Each PORV and associated block valve shall be OPERABLE	Condition B One PORV inoperable and not capable of being manually cycled.	Yes	No variations
STS 3.4.11 Each PORV and associated block valve shall be OPERABLE	Condition C One [or two] block valve(s) inoperable	Yes	Same as above	Condition C One block valve inoperable	Yes	No variations

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
TS 3.5, Emergency Core Cooling System (ECCS)						
STS 3.5.2 Two ECCS trains shall be operable	Condition A One or more trains inoperable	Yes	TS 3.5.2 Two ECCS trains shall be operable	Condition A One ECCS train inoperable	Yes	No variations
TS 3.6, Containment Systems						
STS 3.6.2 Two containment air locks shall be OPERABLE	Condition C One or more containment air locks inoperable for reasons other Condition A or B	Yes	TS 3.6.2 Two containment air locks shall be OPERABLE	Condition C One or more containment air locks inoperable for reasons other Condition A or B	Yes	Administrative variation (Section 2.4.1.7) – PB Action C.3 has 36-hr CT vs. 24-hr CT for TSTF Action C.3.
STS 3.6.3 Each containment isolation valve shall be OPERABLE.	Condition A One or more penetration flow paths with one containment isolation valve inoperable [for reasons other than Condition[s] D [and E]	Yes	TS 3.6.3 Each containment isolation valve shall be OPERABLE	Condition A One or more penetration flow paths with one containment isolation valve inoperable	Yes	No variations
Same as above	Condition C One or more penetration flow paths with one containment isolation valve inoperable	Yes	Same as above	Condition C One or more penetration flow paths with one containment isolation valve inoperable	Yes	Plant-specific variation (Section 2.4.2) – TSTF Action C.2 does not restrict to only valves outside containment the flowpath isolation verification every 31 days

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
STS 3.6.6A* Two containment spray trains and [two] accident fan cooler units shall be OPERABLE. * Credit taken for iodine removal by the Containment Spray System	Condition A One containment spray train inoperable	Yes	TS 3.6.6 Two containment spray trains and four accident fan cooler units shall be OPERABLE	Condition A One containment spray train inoperable	No	NA
Same as above	Condition C One [required] containment cooling train inoperable	Yes	Same as above	Condition C One or two accident fan cooler unit(s) inoperable	No	NA
Same as above	Condition D Two [required] containment cooling train inoperable	Yes	- - -	- - -	- - -	NA
STS 3.6.10 Two HIS trains shall be OPERABLE.	Condition A One HIS train inoperable	Yes	- - -	- - -	- - -	NA
Same as above	Condition B One containment region with no OPERABLE hydrogen ignitor	Yes	- - -	- - -	- - -	NA
STS 3.6.14 Two ARS trains shall be OPERABLE.	Condition A One ARS train inoperable	Yes	- - -	- - -	- - -	NA
STS 3.6.16 The ice condenser inlet doors, intermediate deck doors and top deck [doors] shall be OPERBLE and closed.	Condition A One or more ice condenser inlet doors inoperable due to being physically	Yes	- - -	- - -	- - -	NA

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
	restrained from opening					
Same as above	Condition B One or more ice condenser inlet doors inoperable for reasons other than Condition A or not closed.	Yes	- - -	- - -	- - -	NA
STS 3.6.17 Divider barrier integrity shall be maintained.	Condition A One or more personnel access doors or equipment hatches open or inoperable, other than for personal transit entry.	Yes	- - -	- - -	- - -	NA
TS 3.7, Plant Systems						
STS 3.7.2 [Four] MSIVs shall be OPERABLE.	Condition A One MSIV inoperable in MODE 1	Yes	TS 3.7.2 Two MSIVs and two non-return check valves shall be OPERABLE	Condition A One Steam Generator flowpath with one or more inoperable valves in MODE 1	Yes	Plant specific variation (Section 2.4.2) - TSTF does not address non-return check valves. Note to be added limiting number of inoperable valves to one per SG flowpath Administrative variation (Section 2.4.1.5) - TSTF LCO vs. PB LCO administrative differences.

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
STS 3.7.4 [Three] ADV lines shall be OPERABLE.	Condition A One required ADV line inoperable	Yes	TS 3.7.4 Two ADV flowpaths shall be OPERABLE	Condition A One required ADV flowpath inoperable	Yes	Administrative variation (Section 2.4.1.5) – TSTF LCO vs. PB LCO administrative differences.
Same as above	Condition B Two or more required ADV lines inoperable	Yes	Same as above	Condition B Two required ADV flowpaths inoperable	No	NA
STS 3.7.5 [Three] AFW trains shall be OPERABLE.	Condition A Turbine driven AFW pump system inoperable due to one inoperable steam supply, OR Turbine driven AFW pump system inoperable in MODE 3	Yes	TS 3.7.5 The AFW System shall be OPERABLE with; one turbine driven AFW pump system and one motor driven AFW pump system	Condition A Turbine driven AFW pump system inoperable due to one inoperable steam supply, OR Turbine driven AFW pump system inoperable in MODE 3 following refueling	Yes	Administrative variation (Section 2.4.1.5) – TSTF LCO vs. PB LCO administrative differences.
Same as above	Condition B One AFW train inoperable in MODE 1, 2 or 3 [for reasons other than Condition A]	Yes	Same as above	Condition B One AFW pump system inoperable in MODE 1, 2 or 3 for reasons	Yes	Administrative variation (Section 2.4.1.5) – TSTF LCO vs. PB LCO.

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
				other than Condition A		
STS 3.7.7 Two CCW trains shall be OPERABLE.	Condition A One CC train inoperable	Yes	TS 3.7.7 The CC System shall be OPERABLE with; two CC pumps, and two required CC heat exchangers	Condition A One CC pump inoperable	Yes	Plant-specific variation (Section 2.4.2) – PB Condition A applies to CCW pump vs. CCW train for TSTF Condition A. Administrative variation (Section 2.4.1.8) – TSTF Action A.1 does not specify a second CT.
- - -	- - -	- - -	Same as above	Condition B One required CC heat exchanger inoperable	Yes	Plant-specific variations (Section 2.4.2) – PB Condition B applies to CCW Hx vs. CCW train for TSTF Condition A. Administrative variation (Section 2.4.1.8) – TSTF Action A.1 does not specify a second CT.
STS 3.7.8 Two SWS trains shall be OPERABLE	Condition A One SWS train inoperable	Yes	TS 3.7.8 The SW System shall be OPERABLE with: • Six OPERABLE SW pumps • SW ring header continuous flowpath not interrupted • Required automatic non-essential-SW-load isolation valves OPERABLE or affected non-essential flowpath isolated; and • Opposite unit containment accident fan cooler unit SW outlet motor operated valves closed or SW flowpath isolated	Condition A One SW pump inoperable AND Both units in MODES 1, 2, 3, or 4	Yes	Plant-specific variation (Section 2.4.2) – TSTF Condition A applies to SW train vs. PB Condition A. Administrative variation (Section 2.4.1.7) – PB Action A.1 has 7-day CT vs. 72-hr CT for TSTF Action A.1. Administrative variation (Section 2.4.1.8) – TSTF Action A.1 does not specify a second CT.

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
- - -	- - -	- - -	Same as above	Condition B Two or three SW pumps inoperable	No	NA
- - -	- - -	- - -	Same as above	Condition C SW ring header continuous flowpath interrupted	Yes	Plant-specific variation (Section 2.4.2) - TSTF Condition A applies to SW train vs. PB Condition C. Administrative variation (Section 2.4.1.7) - PB Action C.2 has 7-day CT vs. 72-hr CT for TSTF Action A.1. Administrative variation (Section 2.4.1.8) - TSTF Action A.1 does not specify a second CT.
- - -	- - -	- - -	Same as above	Condition D One or more non-essential-SW-load flowpath(s) with one required automatic isolation valve inoperable AND Affected non-essential flowpath(s) not isolated	Yes	Plant-specific variation (Section 2.4.2) - TSTF Condition A applies to SW train vs. PB Condition D. Administrative variation (Section 2.4.1.8) - TSTF Action A.1 does not specify a second CT.

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
- - -	- - -	- - -	Same as above	Condition E One or more non-essential-SW-load flowpath(s) with two required automatic isolation valves inoperable AND Affected non-essential flowpath(s) not isolated	No	NA
- - -	- - -	- - -	Same as above	Condition F One or more opposite unit containment accident fan cooler unit SW outlet motor operated valves open AND Opposite unit containment accident fan cooler unit SW flowpath not isolated	No	NA

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
- - -	- - -	- - -	Same as above	Condition G Four or more SW pumps inoperable	No	NA
STS 3.7.9 The UHS shall be OPERABLE.	Condition A One or more cooling towers with one cooling tower fan inoperable	Yes	- - -	- - -	- - -	NA
TS 3.8, Electrical Power Systems						
STS 3.8.1 The following AC electrical sources shall be OPERABLE: a. Two qualified circuits between the offsite transmission network and the onsite Class 1E AC Electrical Power Distribution System, b. Two diesel generators (DGs) capable of supplying the onsite Class 1E power distribution subsystem(s), and [c. Automatic load sequencers for Train A and Train B]	Condition A One [required] offsite circuit inoperable.	Yes	TS 3.8.1 The following AC electrical power sources shall be OPERABLE: a. One circuit between the offsite transmission network and the associated unit's 4.16 kV Class 1E safeguards buses, A05 and A06, utilizing the associated unit's 345/13.8 kV (X03) transformer or the opposite unit's 345/13.8 kV (X03) transformer with the gas turbine in operation, and the associated unit's 13.8/4.16 kV (X04) transformer; b. One circuit between the offsite transmission network and the opposite unit's 4.16 kV Class 1E safeguards buses, A05 and A06; and c. One standby emergency power source capable of supplying each 4.16 kV/480 V Class 1E safeguards bus	Condition A Associated unit 345/13.8 kV (X03) transformer inoperable OR Gas turbine not in operation when utilizing opposite unit's 345/13.8 kV (X03) transformer	Yes	Plant-specific variation (Section 2.4.2) - Loss of X03 vs. TSTF Condition A. - TSTF Condition A does not address gas turbine (G05) Administrative variation (Section 2.4.1.5) - TSTF LCO vs. PB LCO. Administrative variation (Section 2.4.1.7) - PB Action A.1 has 24-hour CTs vs. 72-hr CT for TSTF Action A.3.

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
Same as above	Condition B One [required] DG inoperable	Yes	Same as above	Condition B Associated unit's 13.8/4.16kV (X04) transformer inoperable	Yes	Plant-specific variation (Section 2.4.2) – Loss of X04 vs. TSTF Condition A. Administrative variation (Section 2.4.1.5) – TSTF LCO vs. PB LCO. Administrative variation (Section 2.4.1.7) – PB Action B.1 has 24-hour CT vs. 72-hr CT for TSTF Action A.3.
Same as above	Condition C Two [required] offsite circuits inoperable	Yes	Same as above	Condition C Associated unit's required offsite power source to buses A05 and A06 inoperable. OR Required offsite power source to buses 1A05 and 2A06 inoperable	Yes	Plant-specific variation (Section 2.4.2) – Loss of A05 and A06 vs. TSTF Condition A. Administrative variation (Section 2.4.1.5) – TSTF LCO vs. PB LCO. Administrative variation (Section 2.4.1.7) – PB Action C.1 has 24-hour CT vs. 72-hr CT for TSTF Action A.3.

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
Same as above	Condition D One [required] offsite circuit inoperable AND One [required] DG inoperable	Yes	Same as above	Condition D One or more required offsite power source(s) to one or more required Class 1E 4.16 kV bus(es) inoperable	Yes	Plant-specific variation (Section 2.4.2) – Loss of offsite power source(s) to one or more required Class 1E 4.16 kV bus(es) vs. TSTF Condition A. – Condition D allows “one or more” offsite power sources. Add TS note limiting RICT to one offsite source, i.e. no LOF. Administrative variation (Section 2.4.1.5) – TSTF LCO vs. PB LCO. Administrative variation (Section 2.4.1.7) – PB Action D.1 has 7-day CT vs. 72-hr CT for TSTF Action A.3.
Same as above	Condition E Two [required] DGs inoperable	No	Same as above	Condition E One or more required standby emergency power source(s) inoperable	No	NA
Same as above	Condition F [One [required] [automatic load sequencer] inoperable	Yes	Same as above	Condition F One or more required offsite power source to one or more Class 1E 4.16 kV safeguards bus(es) inoperable AND	Yes	Plant-specific variations (Section 2.4.2) – Loss of one offsite power source and one DG vs. TSTF Condition D. – Condition F allows “one or more”. Add TS note limiting RICT to one offsite power source and one DG, i.e. no LOF. Administrative variation (Section 2.4.1.5) – TSTF LCO vs. PB LCO.

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
				Standby emergency power inoperable to redundant equipment		
Same as above	Condition G Required Action and associated Completion Time of Condition A, B, C, D, E, or [F] not met	No	Same as above	Condition G Standby emergency power to buses 1A05/1B03 and 1A06/1B04 inoperable. OR Standby emergency power to buses 2A05/2B03 and 2A06/2B04 inoperable. OR Standby emergency power to buses 1A05/1B03 and 2A06/2B04 inoperable	No	NA

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
Same as above	Condition H Three or more [required] AC sources inoperable	No	- - -	- - -	- - -	NA
STS 3.8.4 The Train A and Train B electrical power subsystems shall be OPERABLE.	Condition A One [or two] battery charger[s on one train] inoperable	Yes	TS 3.8.4 The D-01, D-02, D-03, and D-04 DC electrical power subsystems shall be OPERABLE	Condition A One DC electrical power subsystem inoperable	Yes	Plant-specific variation (Section 2.4.2) - Loss of one DC power subsystem vs. TSTF Condition A. Administrative variation (Section 2.4.1.5) - TSTF LCO vs. PB LCO. Administrative variation (Section 2.4.1.7) - PB Action A.1 has 2-hour CT vs. 2-hour CT for battery charge and 7-day CT for battery chargers for TSTF Action A.3.
Same as above	Condition B One [or two] batter[y][ies on one train] inoperable.	Yes	- - -	- - -	- - -	
Same as above	Condition C One DC electrical power subsystem inoperable for reasons other than Condition A [or B]	Yes	- - -	- - -	- - -	
STS 3.8.7 The required Train A and Train B inverters shall be OPERABLE.	Condition A One [required] inverter inoperable	Yes	TS 3.8.7 Four inverters shall be OPERABLE	Condition A One required inverter inoperable	Yes	Administrative variation (Section 2.4.1.5) - TSTF LCO vs. PB LCO. Administrative variation (Section 2.4.1.7)

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
						– PB Action A.1 has 8-hour CT vs. 24-hr CT for TSTF Action A.1.
STS 3.8.9 Train A and Train B AC, DC, and AC vital bus electrical power distribution subsystems shall be OPERABLE.	Condition A One or more AC electrical power distribution s ems inoperable	Yes	TS 3.8.9 The following electrical distribution buses shall be OPERABLE: a. The 4.16 kV Class 1E safeguards buses 1A05, 1A06, 2A05, and 2A06; b. The 480V Class 1E safeguards buses 1B03, 1B04, 2B03, and 2B04; c. The associated unit's 120 VAC Vital Instrument Buses Y01, Y02, Y03, Y04, Y101, Y102, Y103, and Y104; d. DC distribution buses D01, D02, D03 and D04; e. Motor Control Centers 1B30/2B30, 1B32/2B32, 1B40/2B40 and 1B42/2B42	Condition A One or more electrical power distribution subsystem inoperable	No	
Same as above	Condition B One or more AC vital buses inoperable	Yes	Same as above	Condition B Required Action and associated Completion Time not met	NA	NA
Same as above	Condition C One or more DC electrical power distribution subsystems	Yes	- - -	- - -	- - -	NA

Cross-Reference of TSTF-505, Revision 2, and Point Beach Proposed Changes

TSTF Section 3.4 - 3.9 Systems	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 3.4 - 3.9 Systems	PB Applicable Condition	PB Request RICT?	Comments
Same as above	Required Action and associated Completion Time not met	No	- - -	- - -	- - -	NA
Same as above	Two or more electrical power distribution subsystems inoperable that result in a loss of safety function	No	- - -	- - -	- - -	NA

TSTF Section 1.0	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 1.0	PB Applicable Condition	PB Request RICT?	Comments
TS 1.0, Definitions						
Completion Time	1.3	- - -	Completion Time	1.3	- - -	Incorporates TSTF example of RICT into PB TS Definitions. No variations.

TSTF Section 5.0	TSTF Applicable Condition	TSTF Allow RICT?	PB Section 5.0	PB Applicable Condition	PB Request RICT?	Comments
TS 5.5 Programs and Manuals						
TS 5.5.18 Risk Informed Completion Time Program	NA	NA	TS 5.5.7 Risk Informed Completion Time Program	NA	NA	Adds RICT Program to currently vacant TS 5.5.7.