Table 2
Conditions Requiring Plant-Specific Technical Justification

The technical justification includes a discussion of the TS required safety function and a discussion of the PRA model for the Condition.

NUREG-1430, Babcock and Wilcox STS	
Specification	**Condition and Required Action**
3.3.8.B	**LCO:** Three channels of loss of voltage Function and three channels of degraded voltage Function EDG LOPS instrumentation per EDG shall be OPERABLE. **Condition:** One or more Functions with two or more channels per EDG inoperable.
3.3.12.B	**LCO:** Two manual initiation switches per actuation channel for each of the following emergency feedwater initiation and control (EFIC) Functions shall be OPERABLE: a. Steam generator (SG) A Main Feedwater (MFW) Isolation, b. SG B MFW Isolation, c. SG A Main Steam Line Isolation, d. SG B Main Steam Line Isolation, and e. Emergency Feedwater Actuation. **Condition:** One or more EFIC Function(s) with one or both manual initiation switches inoperable in both actuation channels.
3.4.9.C	**LCO:** The pressurizer shall be OPERABLE. **Condition:** Capacity of pressurizer heaters [capable of being powered by emergency power supply] less than limit.
3.5.2.B	**LCO:** Two ECCS trains shall be OPERABLE. **Condition:** One or more [ECCS] trains inoperable for reasons other than one LPI subsystem inoperable.
3.6.2.C	**LCO:** [Two] containment air lock[s] shall be OPERABLE. **Condition:** One or more containment air locks inoperable for reasons other than an inoperable door or inoperable interlock mechanism.
3.6.6	**LCO:** Containment Spray and Cooling Systems **Condition A**: One containment spray train inoperable **Condition C**: One [required] containment cooling train inoperable. **Condition D**: One containment spray train and one [required] containment cooling train inoperable. **Condition E**: Two [required] containment cooling trains inoperable.
3.7.2.A	**LCO:** Two MSIVs shall be OPERABLE. **Condition**: One MSIV inoperable in MODE 1.

Table 2
Conditions Requiring Plant-Specific Technical Justification

NUREG-1431, Westinghouse STS	
Specification	**Condition and Required Action**
3.3.1.F	**LCO:** The RTS instrumentation for each Function in Table 3.3.1-1 shall be OPERABLE. **Condition:** One Power Range Neutron Flux - High channel inoperable.
3.3.1.DD	**LCO:** The RTS instrumentation for each Function in Table 3.3.1-1 shall be OPERABLE. **Condition:** One RTB train inoperable.
3.3.5.B	**LCO:** [Three] channels per bus of the loss of voltage Function and [three] channels per bus of the degraded voltage Function shall be OPERABLE. **Condition:** One or more Functions with two or more channels per bus inoperable.
3.3.9.A	**LCO:** Boron Dilution Protection System (BDPS) **Condition:** One train inoperable (applicable to MODES [2,] 3, 4, and 5.)
3.4.9.B	**LCO:** The pressurizer shall be OPERABLE… **Condition:** One [required] group of pressurizer heaters inoperable.
3.5.2.A	**LCO:** Two ECCS trains shall be OPERABLE. **Condition:** One or more [ECCS] trains inoperable.
3.6.2.C	**LCO:** [Two] containment air lock[s] shall be OPERABLE. **Condition:** One or more containment air locks inoperable for reasons other than an inoperable door or inoperable interlock mechanism.
3.6.6A	**LCO:** Containment Spray and Cooling Systems (Atmospheric and Dual) (Credit taken for iodine removal by the Containment Spray System) **Condition A**: One containment spray train inoperable. **Condition C:** One [required] containment cooling train inoperable. **Condition D**: Two [required] containment cooling trains inoperable.
3.6.6B	**LCO:** Containment Spray and Cooling Systems (Atmospheric and Dual (Credit not taken for iodine removal by the Containment Spray System) **Condition A**: One containment spray train inoperable. **Condition B:** One [required] containment cooling train inoperable. **Condition C**: Two containment spray trains inoperable. **Condition D:** One containment spray train and one [required] containment cooling train inoperable. **Condition E:** Two [required] containment cooling trains inoperable.
3.6.6C.A	**LCO:** Containment Spray System (Ice Condenser) **Condition:** One containment spray train inoperable.

Table 2
Conditions Requiring Plant-Specific Technical Justification

NUREG-1431, Westinghouse STS	
Specification	**Condition and Required Action**
3.6.6D.A	**LCO:** Quench Spray (QS) System (Subatmospheric) **Condition:** One QS train inoperable
3.6.6E	**LCO:** Recirculation Spray (RS) System (Subatmospheric) **Condition A:** One RS subsystem inoperable. **Condition B:** Two RS subsystems inoperable in one train. **Condition C:** Two inside RS subsystems inoperable **Condition D:** Two outside RS subsystems inoperable. **Condition E:** Casing cooling tank inoperable.
3.6.16.A	**LCO:** The ice condenser inlet doors, intermediate deck doors, and top deck [doors] shall be OPERABLE and closed. **Condition:** One or more ice condenser doors physically restrained from opening
3.7.2.A	**LCO:** [Four] MSIVs shall be OPERABLE. **Condition**: One MSIV inoperable in MODE 1.
3.7.4.B	**LCO**: [Three] Atmospheric Dump Valves (ADV) lines shall be OPERABLE. **Condition:** Two or more required ADV lines inoperable

Table 2
Conditions Requiring Plant-Specific Technical Justification

NUREG-1432, Combustion Engineering STS	
Specification	**Condition and Required Action**
3.3.6.C (analog)	**LCO:** [Four] channels of Loss of Voltage Function and [four] channels of Degraded Voltage Function auto-initiation instrumentation per DG shall be OPERABLE. **Condition:** One or more Functions with more than two channels inoperable.
3.4.9.B	**LCO:** The pressurizer shall be OPERABLE… **Condition:** One [required] group of pressurizer heaters inoperable.
3.5.2.B	**LCO:** Two ECCS trains shall be OPERABLE. **Condition:** Less than 100% of the ECCS flow equivalent to a single OPERABLE train available.
3.6.2.C	**LCO:** [Two] containment air lock[s] shall be OPERABLE. **Condition:** One or more containment air locks inoperable for reasons other than an inoperable door or inoperable interlock mechanism.
3.6.6A	**LCO:** Containment Spray and Cooling Systems (Atmospheric and Dual) (Credit taken for iodine removal by the Containment Spray System) **Condition A:** One containment spray train inoperable. **Condition C**: One containment cooling train inoperable. **Condition D:** One containment spray and one containment cooling train inoperable. **Condition E:** Two containment cooling trains inoperable.
3.6.6B	**LCO:** Containment Spray and Cooling Systems (Atmospheric and Dual) (Credit not taken for iodine removal by the Containment Spray System) **Condition A:** One containment spray train inoperable. **Condition B:** One containment cooling train inoperable. **Condition C:** Two containment spray trains inoperable. **Condition D:** One containment spray train and one containment cooling train inoperable. **Condition E:** Two containment cooling trains inoperable.
3.7.2.A	**LCO:** [Two] MSIVs shall be OPERABLE. **Condition**: One MSIV inoperable in MODE 1.

Table 2
Conditions Requiring Plant-Specific Technical Justification

NUREG-1433, BWR/4 STS	
Specification	**Condition and Required Action**
3.3.1.2.A	**LCO:** The SRM instrumentation in Table 3.3.1.2-1 shall be OPERABLE. **Condition:** One or more required SRMs inoperable in MODE 2 with intermediate range monitors (IRMs) on Range 2 or below.
3.3.2.2.B	**LCO:** [Three] channels of feedwater and main turbine high water level trip instrumentation shall be OPERABLE. **Condition:** Two or more feedwater and main turbine high water level trip channels inoperable.
3.3.4.1.A	**LCO:** End of Cycle Recirculation Pump Trip (EOC-RPT) Instrumentation **Condition:** One or more required channels inoperable.
3.3.6.3.A	**LCO:** Low-Low Set (LLS) Instrumentation **Condition:** One LLS valve inoperable due to inoperable channel(s).
3.3.8.1.A	**LCO:** The LOP instrumentation for each Function in Table 3.3.8.1-1 shall be OPERABLE. **Condition:** One or more channels inoperable.
3.6.1.2.C	**LCO:** The primary containment air lock shall be OPERABLE. **Condition:** Primary containment air lock inoperable for reasons other than Condition A or B.
3.6.1.3.E	**LCO:** Each PCIV, except reactor building-to- suppression chamber vacuum breakers, shall be OPERABLE. **Condition:** One or more penetration flow paths with one or more containment purge valves not within purge valve leakage limits.
3.6.1.7.D	**LCO:** Each reactor building-to-suppression chamber vacuum breaker shall be OPERABLE. **Condition:** Two or more lines with one or more reactor building –to-suppression chamber vacuum breakers inoperable for opening.
3.7.7.A	**LCO:** The Main Turbine Bypass System shall be OPERABLE. OR The following limits are made applicable: [a. LCO 3.2.1, "AVERAGE PLANAR LINEAR HEAT GENERATION RATE (APLHGR)," limits for an inoperable Main Turbine Bypass System, as specified in the [COLR]; and] [b. LCO 3.2.2, "MINIMUM CRITICAL POWER RATIO (MCPR)," limits for an inoperable Main Turbine Bypass System, as specified in the [COLR].] **Condition:** [Requirements of the LCO not met or Main Turbine Bypass System inoperable].

Table 2
Conditions Requiring Plant-Specific Technical Justification

NUREG-1434, BWR/6 STS	
Specification	**Condition and Required Action**
3.3.1.2.A	**LCO:** The SRM instrumentation in Table 3.3.1.2-1 shall be OPERABLE. **Condition:** One or more required SRMs inoperable in MODE 2 with intermediate range monitors (IRMs) on Range 2 or below.
3.3.4.1.A	**LCO:** End of Cycle Recirculation Pump Trip (EOC-RPT) Instrumentation **Condition:** One or more required channels inoperable.
3.3.6.5.A	**LCO:** Relief and Low-Low Set (LLS) Instrumentation **Condition:** One trip system inoperable.
3.3.8.1.A	**LCO:** The LOP instrumentation for each Function in Table 3.3.8.1-1 shall be OPERABLE. **Condition:** One or more channels inoperable.
3.6.1.2.C	**LCO:** The primary containment air lock shall be OPERABLE. **Condition:** Primary containment air lock inoperable for reasons other than Condition A or B.
3.6.1.3.E	**LCO:** Each PCIV shall be OPERABLE. **Condition:** One or more penetration flow paths with one or more containment purge valves not within purge valve leakage limits.
3.6.1.7.A	**LCO:** Residual Heat Removal (RHR) Containment Spray System **Condition:** One RHR containment spray subsystem inoperable.
3.6.5.2.C	**LCO**: The drywell air lock shall be OPERABLE. **Condition**: Drywell air lock inoperable for reasons other than Condition A or B.

Table 2
Conditions Requiring Plant-Specific Technical Justification

NUREG-1434, BWR/6 STS	
Specification	**Condition and Required Action**
3.7.6.A	**LCO:** The Main Turbine Bypass System shall be OPERABLE. OR The following limits are made applicable: [a. LCO 3.2.1, "AVERAGE PLANAR LINEAR HEAT GENERATION RATE (APLHGR)," limits for an inoperable Main Turbine Bypass System, as specified in the [COLR] and] [b. LCO 3.2.2, "MINIMUM CRITICAL POWER RATIO (MCPR)," limits for an inoperable Main Turbine Bypass System, as specified in the [COLR].] **Condition:** [Requirements of the LCO not met or Main Turbine Bypass System inoperable].