

BFN-16

Table G.O-1

(Sheet 1)

INTERPRETATION OF SYMBOLS USED IN EXAMPLE MATRIX ON FIGURE G.0-2

Event	System or Action	Symbol	Meaning
6. Power Operation	Power Level Control	1-2 1-4	It is essential that power level be controlled during power operation to avoid unacceptable results 1-2 and 1-4.
13. Turbine Trip	Reactor Protection System	17	It is essential that the reactor protection systems be capable of operating to achieve safety action 17 (scram).
13. Turbine Trip	Reactor Protection System	SF	It is essential that the reactor protection system be in such a condition that the single-failure criterion is met.
13. Turbine Trip	Reactor Protection System	dark frame around block	The dark frame around the matrix block indicates that this block represents the most significant or demanding condition from which at least one operational nuclear safety requirement for the system is derived. This matrix block would be referenced (using the block coordinates) in the operational nuclear safety requirements portion of the FSAR subsection describing the system.
6. Power Operation	Fuel	4L	There is a limit on power level based on the fuel that must be observed to satisfy the need for safety action 4 (power level control).
13. Turbine Trip	Main Steam Relief Valves	18	It is essential that the main steam relief valves be capable of operating to achieve safety action 18 (pressure relief).
13. Turbine Trip	Main Steam Relief Valves	SF	It is essential that the main steam relief valves be in such a condition that the single failure criterion is met.
13. Turbine Trip	Control Rod Drive System	17	It is essential that the control rod drive system be capable of operating to achieve safety action 17 (scram).
13. Turbine Trip	Control Rod Drive System	SF	It is essential that the control rod drive system be in such a condition that the single-failure criterion is met.
39. Loss-of-Coolant Accident	Core Spray System	22	It is essential that the core spray system be capable of operating to achieve safety action 22 (core cooling).
39. Loss-of-Coolant Accident	Core Spray System	SF(S76)	It is essential that the core spray system be in such a condition that the single-failure criterion is met. The (S76) indicates that the core spray system shares the obligation to satisfy the single-failure criterion with system 76 (LPCI).

Table G.O-1 (Cont'd)

(Sheet 2)

INTERPRETATION OF SYMBOLS USED IN EXAMPLE MATRIX ON FIGURE G.O-2

Event	System or Action	Symbol	Meaning
39. Loss-of-Coolant Accident	Core Spray System	dark frame around block	The dark frame around the matrix block indicates that this block represents the most significant or demanding condition from which at least one operational nuclear safety requirement for the system is derived. This matrix block would be referenced (using the block coordinates) in the operational nuclear safety requirements portion of the FSAR subsection describing the system.
39. Loss-of-Coolant Accident	Reactor Protection System	17	It is essential that the reactor protection system be capable of operating to achieve safety action 17 (scram).
39. Loss-of-Coolant Accident	Reactor Protection System	SF	It is essential that the reactor protection system be in such a condition that the single-failure criterion is met.
39. Loss-of-Coolant Accident	Control Rod Drive System	17	It is essential that the control rod drive system be capable of operating to achieve safety action 17 (scram.)
39. Loss-of-Coolant Accident	Control Rod Drive System	SF	It is essential that the control rod drive system be in such a condition that the single-failure criterion is met.
39. Loss-of-Coolant Accident	LPCI	22	It is essential that LPCI be capable of operating to achieve safety action 22 (core cooling).
39. Loss-of-Coolant Accident	LPCI	SF(S45)	It is essential that LPCI be in such a condition that the single-failure criterion is met. The (S45) indicates that LPCI shares the obligation to satisfy the single-failure criterion with system 45 (core spray system).
39. Loss-of-Coolant Accident	LPCI	dark frame around block	The dark frame around the matrix block indicates that this block represents the most significant or demanding condition from which at least one operational nuclear safety requirement for the system is derived. This matrix block would be referenced (using the block coordinates) in the operational nuclear safety requirements portion of the FSAR subsection describing the system.
39. Loss-of-Coolant Accident	Standby AC Power System	45-76SF	It is essential that the standby AC power system be single failure proof relative to the system pair consisting of the core spray system (45) and LPCI (76).