

REACTIVITY CONTROL SYSTEMS

3/4.1.3 MOVABLE CONTROL ASSEMBLIES

GROUP HEIGHT

LIMITING CONDITION FOR OPERATION

Information only. This page shows the proposed change incorporated into the existing Technical specifications for clarification purposes.

3.1.3.1 All full-length shutdown and control rods shall be OPERABLE and positioned within ± 12 steps (indicated position) of their group step counter demand position.

APPLICABILITY: MODES 1* and 2*.

ACTION:

The ACTION to be taken is based on the cause of inoperability of control rods as follows: Any immovability of a control rod initially invokes ACTION Statement 3.1.3.1.a. Subsequently, ACTION Statement 3.1.3.1.a may be exited and ACTION Statement 3.1.3.1.d invoked if either the rod control urgent failure alarm is illuminated or an electrical problem is detected in the rod control system.

CAUSE OF INOPERABILITY	ACTION	
	One Rod	More Than One Rod
1. Immovable as a result of excessive friction or mechanical interference or known to be untrippable.	(a)	(a)
2. Misaligned by more than ± 12 steps (indicated position) from its group step counter demand height or from any other rod in its group.	(c)	(b)
3. Inoperable due to a rod control urgent failure alarm or other electrical problem in the rod control system, but trippable.	(d)	(d)

ACTION a.- Determine that the SHUTDOWN MARGIN requirement of Specification 3.1.1.1 is satisfied within 1 hour and be in HOT STANDBY within 6 hours.

ACTION b.- Be in HOT STANDBY within 6 hours.

ACTION c.- POWER OPERATION may continue provided that within 1 hour:

1. The rod is restored to OPERABLE status within the above alignment requirements, or
2. The rod is declared inoperable and the remainder of the rods in the group with the inoperable rod are aligned to within ± 12 steps of the inoperable rod while maintaining the rod sequence and insertion limits of Figures 3.1-1 and 3.1-2. The THERMAL POWER level shall be restricted pursuant to Specification 3.1.3.6 during subsequent operation, or

*See Special Test Exceptions Specifications 3.10.2 and 3.10.3.