

TABLE 4.1-1  
MINIMUM FREQUENCIES FOR CHECKS, CALIBRATIONS AND  
TEST OF INSTRUMENT CHANNELS

<u>Channel Description</u>	<u>Check</u>	<u>Calibrate</u>	<u>Test</u>	<u>Remarks</u>
1. Nuclear Power Range (Check, Calibrate and Test only applicable above 10% of rated power.)	S (1) M*(4)	D (2) Q*(4)	M (3)	1) Load v.s. flux curve, or AT vs. reactor power curve 2) Thermal power calculation 3) Signal to AT; bistable action (permissive, rod stop, trips) 4) Upper & lower detectors for symmetric offset (+5 to -5%)
2. Nuclear Intermediate Range	S (1)†	N.A.	P (2)	1) Once/shift up to 50% R.P. 2) Log level; bistable action (permissive, rod stop, trip)
3. Nuclear Source Range	S (1)	N.A.	P (2)	1) Once/shift when in service 2) Bistable action (alarm, trip)
4. Reactor Coolant Temperature	S†	R	B/W (1)† (2)†	1) Overtemperature-AT 2) Overpower-AT
5. Reactor Coolant Flow	S†	R	M†	
6. Pressurizer Water Level	S†	R	M†	
7. Pressurizer Pressure	S†	R	M†	
8. 4 kv Voltage & Frequency	N.A.	R**	R	Reactor protection circuits only
9. Analog Rod Position	S†	R	M†	With step counters

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