

GUIDELINE	PERFORMANCE	EXCEPTIONS & DEVIATIONS
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<p>1. Control Area Access</p> <ul style="list-style-type: none"> • Only for official business • Restrict access to controls • Entry allowed by authorized individuals 	<p>1. Control Area Access</p> <ul style="list-style-type: none"> • The Central Control Room is limited to those persons on official business only. It has clear boundaries, as it is accessed through a dedicated corridor through glass doors. • Only trained Operators and Chief Operators may manipulate controls and be unsupervised. Physicists may perform accelerator studies using a formal procedure, checklists and authorizations, see OPM 6.A-12 "Accelerator Physicists and Systems Specialists." • Authorized entry to Central Control Room is under the purview of the Chief Operator. See OPM 6.A-3, "Activities in Control Room". All accelerator areas which are access controlled are locked. Key and badge access is allowed by trained and qualified personnel. Locks for primary areas are controlled electrically and the Personnel Protection System automatically disables key access when beam is enabled. 	<p>1. Control Area Access</p> <ul style="list-style-type: none"> • None.
<p>2. Professional Behavior</p> <ul style="list-style-type: none"> • Prohibit distractions 	<p>2. Professional Behavior</p> <ul style="list-style-type: none"> • Professional behavior is encouraged at all times. Potentially distracting activities are generally prohibited; the Chief Operator is the arbitrator. See OPM 6.A-3, "Activities in Control Room." 	<p>2. Professional Behavior</p> <ul style="list-style-type: none"> • None.
<p>3. Monitoring the Main Control Panels</p> <ul style="list-style-type: none"> • Take action to determine cause of abnormalities. • Provide backup to computer control systems. 	<p>3. Monitoring the Central Control Panels and Screens</p> <ul style="list-style-type: none"> • Operators are trained to respond to alarms in a timely fashion, taking reasonable actions. For example, see OPM 6.A-2, "Operating Practices", OPM 2.H-18.10, "Responding to Chipmunk Interlocks," and OPM 6.K, "Alarms." • Programmable Logic Controller (PLC) based interlocks are maintained by two separate and independent PLC systems in three PLCs. The action of the two PLC interlock systems is monitored and automatically recorded on a computer. The PLC based access control system is maintained on uninterruptable power supplies. 	<p>3. Monitoring the Main Control Panels</p> <ul style="list-style-type: none"> • None.

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<p>4. Control Room Operator Ancillary Duties</p> <ul style="list-style-type: none"> • Limit the ancillary activities of operators. • If appropriate, perform administrative duties away from controls. 	<p>4. Control Room Operator Ancillary Duties</p> <ul style="list-style-type: none"> • Ancillary duties assigned to operators do not interfere with their ability to monitor parameters. Reviewing procedures and required reading do not comprise a major portion of shift responsibilities. • Some administrative duties may be performed at operating consoles. 	<p>4. Control Room Operator Ancillary Duties</p> <ul style="list-style-type: none"> • None.
<p>5. Operation of Control Area Equipment</p> <ul style="list-style-type: none"> • Operate only with specific authorization. • Trainees should be supervised. 	<p>5. Operation of Control Area Equipment</p> <ul style="list-style-type: none"> • Only persons specifically authorized may operate Central Control Room controlled equipment. • Trainees are not allowed to work in Central Control Room unless they are supervised. See OPM 4.E1 "Trainees". 	<p>5. Operation of Control Area Equipment</p> <ul style="list-style-type: none"> • None.