

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match.
The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.
Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

C-A OPERATIONS PROCEDURES MANUAL

12.56 Using Radiation Safety System Bypass Switches

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Hand Processed Changes

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Approved: _____ ***Signature on File*** _____
Collider-Accelerator Department Chairman Date

M. Wiplich

12.56 Using Radiation Safety System Bypass Switches

1. Purpose

The purpose of this procedure is to define the requirements for the use of Radiation Safety System Bypass Switches.

2. Responsibilities

It is the responsibility of the person or persons executing this procedure to observe all safety rules and to complete the [Radsafe System Generic Bypass Checklist](#).

3. Prerequisites

- 3.1 The person or persons executing this procedure shall have all formal training required of a TVDG Operator.
- 3.2 A Bypass Switch may be used while the accelerators are operating ONLY if there is no other safe alternative.

4. Precautions

None.

5. Procedure

- 5.1 Approval for the use of a Bypass Switch by Operations Personnel shall be obtained from the TVDG Operations Supervisor or designee. The TVDG Operations Supervisor or designee shall notify the TVDG Radiation Safety Officer or designee of the circumstances requiring use of the bypass switch. The TVDG Radiation Safety Officer may then grant approval for its use.
- 5.2 When a Bypass Switch is used, an equivalent degree of safety shall be provided during the interval that the bypass switch is active.
- 5.3 After activation of the Bypass Switch, a dated and timed entry shall be made in the Radiation Safety System Log Book describing the reason the bypass switch was used.
- 5.4 During the interval that the Bypass Switch is activated, a prominent warning shall be displayed at the console indicating that a bypass switch is in use. Insure that the scrolling sign above the Radiation Safety System Display Panel is functioning.
- 5.5 The Radiation Safety System should be restored to normal operation at the first available opportunity.

- 5.6 When the Bypass Switch is deactivated, a dated and timed entry should be made in the Radiation Safety System Log Book indicating the deactivation of the bypass switch.
- 5.7 Bypasses other than the Bypass Switches (ie. clip leads, jumper wires, etc.) are not permitted.
- 5.8 Bypass Switches for both MP-6 and MP-7 are located in Rack 27 and are protected by locking covers. The keys for these covers are available in the Key Master.

6. Documentation

None

7. References

- 7.1 Radsafe System Generic Bypass Checklist.

8. Attachments

None