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C-A OPERATIONS PROCEDURES MANUAL

12.14 Setting Tandem Facility Perimeters

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

C. Carlson

12.14 Setting Tandem Facility Perimeters

1. **Purpose**

The purpose of this procedure is to define the sequence of activities required to set the Tandem Facility Perimeters.

2. **Responsibilities**

It is the responsibility of the person or persons executing this procedure to observe all safety rules.

3. **Prerequisites**

3.1 Tandem Operator training.

4. **Precautions**

None

5. **Procedure**

5.1 **General Discussion** The setup of the various radiation control areas, as well as perimeter control areas, is generally carried out by the operator in charge or designee. All operators are instructed by personal instruction on the part of the supervisory staff by walking through the inspection and setup procedure for each of the radiation zones. Each operator is also referred to drawing number P30-10-20 or [Figure 3](#) for detailed reference to all of the various light beam areas, station pushbuttons, emergency stop pushbuttons, and door and gate switches. Complete drawings of the entire system are on file along with the rest of the control drawings for the accelerator facility. In the event of a failure of the Radiation Safety System that interferes with operation of the accelerators but does not involve any appreciable radiation hazard, special interlock bypass switches may be used to allow continuation of the experimental program. See [Using Radiation Safety System Bypass Switches](#) for additional information.

5.3 Execute the attached checklist when securing the Tandem Facility.

6. **Documentation**

6.1 [C-A-OPM-ATT 12.14.a “Setting Tandem Facility Perimeters – Checklist”](#).

7. **References**

None

8. **Attachments**

None