

LCLS BC2 Translation Stage Mover Control System lockout Procedure

Title:

Lockout Procedure for LCLS BC2 Table Mover system (Preliminary)

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Author: James Bong

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Approver: Thomas Porter

1 Purpose

The purpose of this procedure is to define the way in which the mover for the BC2 translation table should be secured to prevent movement of the table for safety.

2 Scope

This procedure applies to all staff required to carry out this function. In normal circumstances the equipment should be secured up by staff assigned to the Wire Scanners/Collimators Group.

3 Responsibilities

- Personnel intending to secure the BC2 translation table are responsible for notifying the appropriate manager of this procedure and obtaining approval for its use.
- The Wire Scanners/Collimator system engineer is responsible for the securing up of this equipment.

4 Related Documents

5 Definitions

- The BC2 translation table is operated by a 24VCD Stepper motor. This motor is the primary source of motion for the BC2 translation stage.
- The motor lock secures the motor from motion by clamping onto the motor shaft and securing a pin in a notch of the motor.
- The cable lock box is a standard red lock box that encloses the cable end to prevent it from being attached to the connector panel.

6 Procedure

Lockout Prerequisites

1. Verify that all operations of BC2 translation stages are complete.
2. Verify that the BC2 table is in position to be locked down.
3. Verify possession of cable lock box, padlock, and motor lock.

Procedure for LCLS BC2 Translation Stage Mover Control System Lockout

Securing Equipment

1. Disconnect motor cable from connector panel.
2. Enclose motor cable connector in cable lock box
3. Lock lock box, or if necessary, have securing authority (such as Radiation Physics) place lock on lock box.
4. Tag motor lock with contact information for Wire Scanners/Collimator system engineer and/or securing authority
5. Attach motor lock to motor shaft
6. Slide lock pin into motor notch
7. Tighten all fasteners on motor lock to prevent motor movement

The system will now be secure to prevent motion of the BC2 translation table.