

Subject:	X-Ray Beamline Hutch Search Procedure		
Number:	LS-ESH-0036	Revision:	B
		Effective:	2/9/2011
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*Approval signatures on file with master copy.

Scope:

X-ray beamline hutches must be searched to assure that all personnel are cleared from the area prior to beam entering the hutch. The process for searching a hutch is very similar from one beamline to another. The difference between them is primarily due to the physical location of the check stations and that some of the hutches have more than one internal check station.

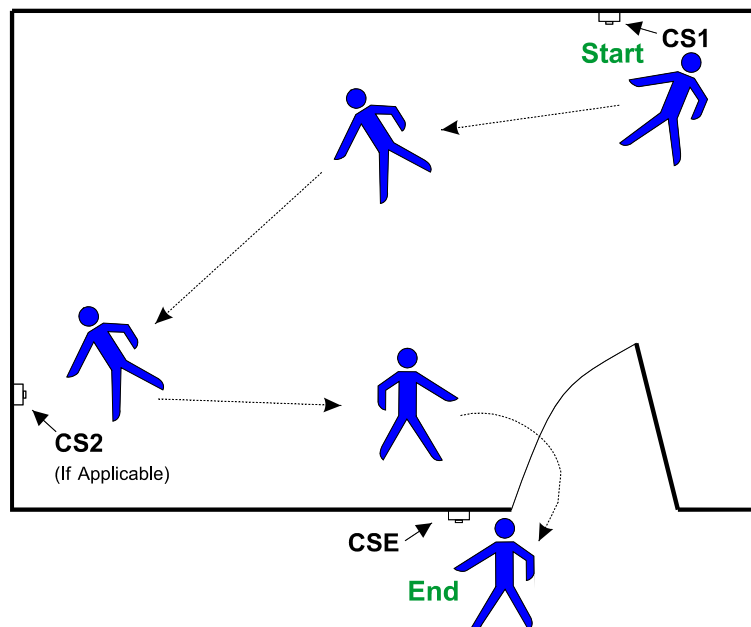
Search Procedure:

No one is permitted in a hutch when the hutch is secured.

- 1. Enter the hutch and check all areas for personnel. In large hutches, announce “Securing the hutch”.**

The search must be stopped if anyone is encountered. A new search may begin when all personnel have left the hutch.

- 2. Proceed to Check Station #1 (CS1). Press CS1.** The interior overhead light will turn off, a red light will illuminate, and a timeout function will begin at this point. The search circuit requires completion within 15 seconds for small hutches and 25 seconds or more for larger hutches.
- 3. Proceed to Check Station #2 (CS2), if applicable. Press CS2 if no one is encountered.**
- 4. Exit the hutch and close the door after verifying that no personnel were encountered in the hutch.**
- 5. Press the External Check Station (CSE).** An audible alert will sound for ~ 15 seconds and the interlock sign will illuminate. CSE must be pressed within the time period specified in step 2 to complete the search circuit. A new search will need to commence if the system times out prior to pressing CSE.



Contact the Operations Coordinator (OPCO) on page 5824 or ext. 5046 for any assistance.

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PHOTON SCIENCES DIRECTORATE REVISION LOG

Document Number:	LS-ESH-0036	Review Frequency
Subject:	<u>X-Ray Beamline Hutch Search Procedure</u>	5 Years
Review signatures on file with master copy of controlled document		
Rev	Description	Date
A	Initial Document.	9/23/2004
B	Added OPCO contact information.	2/9/2011