

Advanced Photon Source

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ICMS Content ID:	APS_1185831
DNS #:	APS-PPR-ESH-000-A021-000025
Revision #:	4
Issue Date:	3/1/16
Review Period:	2 years
Supersedes:	Rev. 3, 6/15/11
Last Reviewed:	4/10/20

Unreviewed Safety Issue Determination

Changes made in this revision:

- No changes made to this procedure since its last review

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Reviewed by:

WSH - XSD ESH Coordinator

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XSD Division Director

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Unreviewed Safety Issue Determination

Unreviewed Safety Issue (USI): A significant increase in the probability of or consequences from (1) a planned modification that creates a previously unanalyzed postulated accident or condition that could result in a significant adverse impact or (2) a previously analyzed postulated accident or condition.¹

A USI process is required by DOE as part of an accelerator safety program: “A USI process supports configuration management efforts that helps ensure the facility and supporting safety documentation are maintained current and periodically updated.”¹

To determine if there is a USI, the APS follows the Laboratory procedure [LMS-PROC-188](#), Accelerator Safety, Section 3.2.3, with the following APS-specific implementing requirements:

APS Assignments

- **Facility Manager** – The accelerator system machine manager or Group Leader for beamline and associated facilities notifies the PSC-Safety Manager of a potential USI, requests a determination, and reviews the USI determination
- **USID preparer** – The PSC-Safety Manager, or designee, prepares APS USI determinations.

Records - All records relating to the USID shall be maintained in the APS electronic document system ICMS.

References - Source Requirements

1. [DOE O 420.2C, Safety of Accelerator Facilities](#)
2. [APS Safety Assessment Document](#)
3. [Argonne LMS-PROC-188](#)

Feedback and Improvement

If you are using this procedure and have comments or suggested improvements for it, please go to the [APS Policies and Procedures Comment Form](#) * to submit your input to a Procedure Administrator. If you are reviewing this procedure in workflow, your input must be entered in the comment box when you approve or reject the procedure.

Instructions for execution-time modifications to a policy/procedure can be found in the following document: Field Modification of APS Policy/Procedure ([APS 1408152](#)).

* <https://www.aps.anl.gov/Document-Central/APS-Policies-and-Procedures-Comment-Form>