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ICMS Content ID:	APS_1185831
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Unreviewed Safety Issue Determination

Changes made in this revision:

- The DOE has clarified the definition of an Unreviewed Safety Issue (USI) in a revised Safety of Accelerators Order (DOE O420.2D). The definition in this policy has been updated accordingly. DOE definitions for USI process, SAD, and ASE also added.
- Argonne has revised the Laboratory USI policies and procedures. The references/hyperlinks in this policy have been updated accordingly.
- Added DALD-Ops approval.
- Edits for clarity.

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Definitions from DOE Safety of Accelerators Order (DOE 420.2D):

Unreviewed Safety Issue (USI): an activity or discovered condition with accelerator specific hazards that have yet to be evaluated to determine if the activity or discovered condition introduces accelerator specific hazards that are not adequately addressed by the current SAD and approved ASE (DOE O420.2D).

USI Process is the process or methodology used to evaluate/review USIs to determine if the activity or discovered condition is adequately addressed by the current SAD and approved ASE. (DOE O420.2D).

Safety Assessment Document (SAD): A document containing the results of a Safety Analysis for an accelerator or accelerator facility pertinent to understanding the risks to workers, the public, and the environment of operating the accelerator.

Accelerator Safety Envelope (ASE): A documented set of verifiable physical and administrative requirements, bounding conditions, and credited controls that ensure safe operation and address accelerator specific hazards and risks.

A USI process is required by DOE as part of an accelerator facility's safety program. The APS follows the Laboratory procedure [LMS-PROC-383](#) to determine if there is a USI and for handling USIs. The process supports configuration management efforts that help to ensure the facility and supporting safety documentation are maintained and current.

APS Assignments

- **Facility Manager** – The accelerator system machine manager or Group Leader for beamline and associated facilities. The facility manager is responsible for notifying the PSC-Safety Manager of a potential USI.
- **USID Subject Matter Expert (SME)** – The PSC-Safety Manager, or designee, identifies if the change or condition requires a USI evaluation and, if so, completes Reviewed Safety Issue (RSI) documentation.

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

References

1. [DOE O 420.2D, Safety of Accelerator Facilities](#)
2. [Argonne, Facility-Specific Implementation of Unreviewed Safety Issue \(USI\) Procedure Laboratory-Wide Argonne Procedure LMS-PROC-383](#)
3. [APS Safety Assessment Document](#)

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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>