OR-003a — Classified Environment Operations

Go to OR-003 — Classified and Unclassified Environments

Statement

Crucible SHALL execute each selected Operational Lifecycle activity within a Classified Environment.

Derived From

This requirement derives from:

- OR-003 — Classified and Unclassified Environments
- Crucible System Requirements Specification, Version 1.1 Draft, Operational Requirements, OR-003

The Original Requirement states:

> *The system SHALL support classified and unclassified deployment environments.*[C1]

OR-003a isolates the obligation to execute Operational Lifecycle activities within a Classified Environment from the separate obligation to execute those activities within an Unclassified Environment.

Rationale

A Classified Environment imposes authorization, access, information-handling, transfer, auditing, and operational constraints that differ from those governing an Unclassified Environment.

OR-003a requires Crucible to execute selected Operational Lifecycle activities within the classified operating context rather than treating classified operation as an extension of unclassified operation.

Separate requirements govern:

- Security Domain enforcement
- Information Handling Rule enforcement
- Cross-Domain Transfer control
- Access control

Applies To

This requirement applies to:

- Crucible
- Classified Environments
- Operational Lifecycles
- Security Classifications
- Security Domains
- Classification Authorities
- Information Handling Rules
- Cross-Domain Transfers
- Crucible Descriptions
- Infrastructure Baselines
- Security Baselines
- Compliance Baselines
- Machine Images
- Artifacts
- Infrastructure Deployments
- Evidence
- Auditability
- Provenance
- Traceability

Verification

Verification confirms that:

1. The tested environment is an authorized Classified Environment
2. The tested Classified Environment identifies the Security Classifications it is authorized to handle
3. The tested Classified Environment identifies its governing Security Domain
4. The selected Operational Lifecycle activities are identified before execution
5. Crucible initiates each selected Operational Lifecycle activity within the Classified Environment
6. Crucible completes each selected Operational Lifecycle activity that satisfies its initiation and execution conditions
7. Crucible records the result of each selected Operational Lifecycle activity
8. Crucible records any activity it rejects, blocks, or terminates
9. Each activity record identifies the Classified Environment in which execution occurred
10. Each activity record identifies the governing Security Domain
11. Each activity record preserves Auditability, Provenance, and Traceability

Referenced By

The following pages reference this requirement:

- 3.3 Security Domains and Transfer Boundaries
- Annex D: Requirements Traceability

Delivery Phase

☐ Determine the Delivery Phase for OR-003a.

Implementation Status

☐ Assess whether the current Crucible implementation executes the selected Operational Lifecycle activities within an authorized Classified Environment.

Requirement Status

☐ Review and approve OR-003a as a leaf requirement derived from OR-003.

Issues

☐ Define the Operational Lifecycle activities that Crucible must execute within each supported Classified Environment.

☐ Identify the Security Classifications that each supported Classified Environment is authorized to handle.

☐ Identify the Classification Authority governing each supported Classified Environment.

☐ Define the Security Domain governing each supported Classified Environment.

☐ Define the conditions for initiating, completing, rejecting, blocking, or terminating each selected Operational Lifecycle activity.

☐ Define the records and Evidence required for each selected Operational Lifecycle activity.

☐ Define the acceptance criteria for successful execution within each supported Classified Environment.

Notes for Editors

This requirement page should retain the stable requirement identifier `OR-003a`.

This page is a leaf requirement page and omits a trailing `:start` from its namespace.

OR-003a addresses execution of selected Operational Lifecycle activities within a Classified Environment.

Separate child requirements address:

- Unclassified Environment operations
- Security Domain enforcement
- Information Handling Rule enforcement
- Cross-Domain Transfer control
- Security Domain access control

Changes to the Statement should preserve:

- Crucible as the responsible actor
- Execution as the required behavior
- Each selected Operational Lifecycle activity as the subject of execution
- A Classified Environment as the operating context

To reference this requirement Statement from another wiki page, insert:

```
{{section>dido:02-crusible:99-annexes:annex-c-requirements:02-operational-requirements:or-003:or-003a#Statement&noheader&nofooter&noeditbtn}}
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Do not rename this page after an external citation unless a redirect or move plan is in place.
