

MO-001e — Compliance Baseline Conformance

[Go to MO-001 — Repeatable, Compliant, and Secure Infrastructure Environments](#)

Statement

Crucible SHALL create an [Infrastructure Environment](#) in [conformance](#) with the selected [Compliance Baseline](#).

Derived From

This requirement derives from:

- [MO-001 — Repeatable, Compliant, and Secure Infrastructure Environments](#)

The Original Requirement states:

Crucible SHALL enable rapid creation of repeatable, compliant, and secure infrastructure environments.[\[C1\]](#)

MO-001e preserves the portion of the Original Requirement that characterizes an Infrastructure Environment as **compliant**.

The separate requirements derived from MO-001 address:

- [MO-001a — Infrastructure Environment Creation](#)
- [MO-001b — Deployment Duration](#)
- [MO-001c — Reproducibility](#)
- [MO-001d — Security Baseline Conformance](#)

Assessment

The Original Requirement uses **compliant** without identifying:

- The applicable compliance requirements
- The controlling Compliance Baseline
- The criteria used to determine satisfaction of the applicable requirements
- The assessment methods applied to the Infrastructure Environment
- The Evidence required to support the determination
- The treatment of Compliance Findings, exceptions, or deviations

The term **compliant** describes a desired condition but does not establish an objectively verifiable

requirement.

MO-001e:

- Replaces **compliant** with conformance to an identified Compliance Baseline
- Identifies [Crucible](#) as the responsible actor
- Identifies the created [Infrastructure Environment](#) as the subject of conformance
- Identifies the selected [Compliance Baseline](#) as the controlling source of compliance requirements
- Separates Compliance Baseline conformance from Infrastructure Environment creation, deployment duration, reproducibility, and security outcomes

Rationale

A general claim that an Infrastructure Environment is compliant does not identify the requirements the environment satisfies.

A selected [Compliance Baseline](#) establishes the applicable requirements, assessment criteria, evaluation methods, required [Evidence](#), and conformance determination criteria for a defined operational context.

Compliance Baselines can address:

- Statutory requirements
- Regulatory requirements
- Contractual requirements
- Organizational policies
- Technical standards
- Configuration standards
- Security implementation guidance
- Operational controls
- Documentation requirements
- Evidence requirements
- Reporting requirements
- Retention requirements
- Traceability requirements
- Approval requirements

The selected Compliance Baseline provides the reference against which the Infrastructure Environment is evaluated.

Conformance requires satisfaction of the applicable requirements established by the selected Compliance Baseline. Selection of a Compliance Baseline, execution of a [Compliance Assessment](#), or generation of Evidence does not alone establish conformance.

Separating Compliance Baseline conformance from MO-001a permits Crucible to create an Infrastructure Environment successfully while independently passing or failing the applicable compliance requirements.

This requirement does not establish the applicable Security Baseline. MO-001d addresses Security

Baseline conformance.

Applies To

This requirement applies to:

- [Crucible](#)
- [Conformance](#)
- [Infrastructure Environments](#)
- [Compliance Baselines](#)
- [Compliance Assessments](#)
- [Compliance Findings](#)
- Compliance requirements
- Compliance controls
- Compliance criteria
- Compliance exceptions
- Compliance deviations
- [Controlled Inputs](#)
- [Declarative Descriptions](#)
- [Crucible Descriptions](#)
- [Baselines](#)
- [Baseline Composition](#)
- [Image Layers](#)
- [Infrastructure Baselines](#)
- [Machine Images](#)
- [Infrastructure Configurations](#)
- [Infrastructure Deployments](#)
- [Security Plane](#)
- [Evidence](#)
- [Provenance](#)
- [Traceability](#)

Verification

Verification confirms that:

1. The selected Compliance Baseline is uniquely identified
2. The selected Compliance Baseline identifies the requirements applicable to the Infrastructure Environment
3. The Infrastructure Environment is evaluated against each applicable requirement
4. Each applicable requirement has a recorded result
5. The Infrastructure Environment satisfies the conformance criteria established by the selected Compliance Baseline
6. Each identified Compliance Finding, exception, or deviation is recorded
7. The generated Evidence supports the conformance determination

Verification includes:

- Compliance Baseline inspection
- Compliance requirement inspection
- Compliance control inspection
- [Compliance Assessment](#)
- Automated compliance testing
- Manual compliance testing
- Infrastructure state inspection
- Machine Image inspection
- Package and software inventory inspection
- Configuration inspection
- Documentation inspection
- Evidence inspection
- Compliance Finding inspection
- Compliance exception inspection
- Provenance inspection
- Traceability inspection

The verification record identifies:

1. The selected Compliance Baseline
2. The Compliance Baseline identifier and revision
3. The Infrastructure Environment under evaluation
4. The applicable compliance requirements
5. The controls associated with each requirement
6. The evaluation method applied to each requirement
7. The result for each applicable compliance requirement
8. Each identified [Compliance Finding](#)
9. Each approved compliance exception or deviation
10. The overall conformance result
11. The generated [Evidence](#)
12. The applicable [Provenance](#)
13. The applicable [Traceability](#)

Requirements Realized By

This requirement is realized by:

- [OR-002 — Deployment Environments](#)
- [OR-003 — Classified and Unclassified Environments](#)
- [FR-CFG-001 through FR-CFG-005](#)
- [FR-IMG-001 through FR-IMG-006](#)
- [FR-DEP-001 through FR-DEP-007](#)
- [FR-AG-001 through FR-AG-005](#)
- [FR-COMP-001 through FR-COMP-010](#)
- [FR-DSO-001 through FR-DSO-006](#)
- [FR-BAS-001 through FR-BAS-004](#)
- [KVP-004 — Improve Compliance Consistency](#)

Related Architecture Sections

- [5. Descriptions, Composition, and Baselines](#)
- [6. Machine Images and Image Layers](#)
- [7. Infrastructure and Deployment](#)
- [8. Dependencies and Air Gap Operations](#)
- [9. Compliance and Security](#)
- [10. Reproducibility, Provenance, and Traceability](#)

Referenced By

The following pages reference this requirement:

- [MO-001a — Infrastructure Environment Creation](#)
- [MO-001b — Deployment Duration](#)
- [MO-001c — Reproducibility](#)
- [MO-001d — Security Baseline Conformance](#)
- [Annex D: Requirements Traceability](#)

Delivery Phase

Phase 1 and subsequent phases

Implementation Status

Not Assessed

Implementation status requires evaluation of an Infrastructure Environment created by the current Crucible implementation against the selected Compliance Baseline.

Requirement Status

Draft

This requirement derives from MO-001 in the Crucible System Requirements Specification, Version 1.1 Draft.

Notes for Editors

This requirement page should retain the stable requirement identifier MO-001e.

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

Changes to the Statement SHALL preserve the compliance intent derived from MO-001.

The selected Compliance Baseline should identify:

- The Compliance Baseline identifier
- The Compliance Baseline revision
- The applicable operational context
- The applicable compliance requirements
- The associated controls
- The evaluation criteria
- The permitted exceptions or deviations
- The required Evidence
- The conformance determination criteria

Material changes should receive review and should update the related verification criteria, requirements realization, related architecture sections, and source records.

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

```
{{section>dido:02-crusible:99-annexes:annex-c-requirements:01-mission-objectives:mo-001:mo-001e#Statement&noheader&nofooter&noeditbtn}}
```

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