

MO-001 — Governed Distributed Test Environments

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Statement

DIDO-TE SHALL restrict each operation on a Test Environment according to the Governance Policies of the Test Environment's governing [Domain](#).

Source

This requirement consolidates mission-level intent from the following Original Requirements in the draft DIDO-TE Requirements Register:

- REQ-0001 – Three-level governance hierarchy
- REQ-0002 – Governance organs per level
- REQ-0003 – Membership request workflow
- REQ-0005 – Legal documents per governance level
- REQ-0006 – Additive-only legal-document inheritance
- REQ-0008 – Domain access-control quadrant declaration
- REQ-0009 – Tenancy isolation along governance boundaries
- REQ-0010 – Domain-scoped environments
- REQ-0086 – Substrate as a governed object with a recorded lifecycle

The source requirements establish the governance hierarchy, governance roles, Governance Policies, authorization boundaries, tenancy boundaries, Domain ownership of Test Environments, and governance of supporting infrastructure.

MO-001 expresses the common mission-level outcome. The detailed governance, authorization, isolation, environment ownership, and lifecycle obligations remain separate Operational, Functional, Security, Logging and Auditing, and Data Management Requirements.

Rationale

A Test Environment can consume infrastructure, execute software, exchange information, create Evidence, access protected resources, and affect systems operated by multiple organizations.

DIDO-TE requires an explicit governance context for each Test Environment so that DIDO-TE can determine:

- Which [Domain](#) governs the Test Environment
- Which Governance Policies apply

- Which principals may perform each operation
- Which resources the Test Environment may use
- Which information the Test Environment may access
- Which operational boundaries apply
- Which records DIDO-TE must preserve
- Which approvals DIDO-TE requires
- Which organization remains accountable for the Test Environment

Governance applies throughout the Test Environment lifecycle. Governance does not end after DIDO-TE creates or provisions the Test Environment.

The detailed requirements define the operations subject to governance and the mechanism for determining the applicable Governance Policies. MO-001 establishes the mission-level obligation to apply those policies consistently.

Applies To

This requirement applies to:

- DIDO-TE
- Test Environments
- [Distributed Systems](#)
- Governing [Domains](#)
- Governance Policies
- Governance roles
- Authorized principals
- Test Environment operations
- Test Environment resources
- Nodes
- Node Sets
- Deployment Targets
- Virtual Networks
- Test Definitions
- Test Runs
- Test Results
- Baseline Results
- Validation Decisions
- [Evidence](#)
- [Provenance](#)
- [Traceability](#)
- [Connected Environments](#)
- [Disconnected Environments](#)
- [Air-Gapped Environments](#)

Verification

Verification confirms that:

1. Each Test Environment identifies exactly one governing [Domain](#)
2. DIDO-TE identifies the Governance Policies applicable to the Test Environment
3. DIDO-TE identifies the operations governed by each applicable Governance Policy
4. DIDO-TE identifies the principal requesting each Test Environment operation
5. DIDO-TE evaluates each requested operation against the applicable Governance Policies
6. DIDO-TE permits an operation when the applicable Governance Policies authorize the requesting principal to perform the operation
7. DIDO-TE refuses an operation when the applicable Governance Policies do not authorize the requesting principal to perform the operation
8. DIDO-TE refuses an operation when the Test Environment does not identify a valid governing Domain
9. DIDO-TE prevents a principal governed by one tenancy boundary from operating a Test Environment governed by another tenancy boundary unless the applicable Governance Policies explicitly authorize the operation
10. DIDO-TE applies the Governance Policies throughout the Test Environment lifecycle
11. DIDO-TE records the governing Domain, requesting principal, requested operation, authorization result, operation result, and applicable Governance Policies
12. The verification record preserves [Traceability](#) among the Test Environment, governing Domain, applicable Governance Policies, requesting principal, requested operation, authorization result, operation result, and supporting [Evidence](#)

Referenced By

The following pages reference this requirement:

Plugin Backlinks: Nothing was found.

Delivery Phase

Not Assessed

Implementation Status

☐ Assess the current DIDO-TE implementation against MO-001 and its supporting Operational, Functional, Security, Logging and Auditing, and Data Management Requirements.

Requirement Status

☐ Review and approve MO-001 as a proposed Mission Objective derived from the governance and Test Environment requirements in the draft DIDO-TE Requirements Register.

Issues

The following unresolved issues affect this requirement:

- ☐ Define Test Environment in the shared DIDO Solutions Terms and Definitions corpus.
 - ☐ Define Governance Policy in the shared DIDO Solutions Terms and Definitions corpus or identify the applicable controlling term.
 - ☐ Define the complete set of Test Environment operations governed by MO-001.
 - ☐ Define how DIDO-TE determines the governing Domain for a Test Environment.
 - ☐ Define how DIDO-TE resolves Governance Policies inherited through the governance hierarchy.
 - ☐ Define the precedence and conflict-resolution rules for Governance Policies established at different levels of the governance hierarchy.
 - ☐ Define the authorization decision required when an applicable Governance Policy is missing, invalid, unavailable, or internally inconsistent.
 - ☐ Define the Evidence DIDO-TE preserves for each governance decision and Test Environment operation.
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Notes for Editors

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

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

MO-001 consolidates mission-level intent from multiple Original Requirements. MO-001 does not result from splitting a single parent requirement and therefore uses a **Source** section rather than a **Derived From** section.

Changes to the Statement should preserve:

- DIDO-TE as the responsible actor
- Each Test Environment operation as the governed activity
- Governance Policies as the controlling rules
- The Test Environment's governing **Domain** as the source of the applicable governance context
- Enforcement of the applicable Governance Policies as the required outcome

The supporting requirements should define:

- The governance hierarchy
- The relationship between a Test Environment and its governing Domain
- The applicable governance roles
- The governed Test Environment operations

- Governance Policy inheritance
- Governance Policy precedence
- Governance Policy conflict resolution
- Authorization decisions
- Tenancy isolation
- Test Environment lifecycle governance
- Governance records
- Governance Evidence
- Governance decision [Provenance](#)
- Governance decision [Traceability](#)

Material changes should receive review and should update the verification criteria, source records, supporting requirements, and Issues section.

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

```
{{section>dido:03-dido-te:99-annexes:annex-c-requirements:01-mission-objectives:mo-001#Statement&noheader&nofooter&noeditbtn}}
```

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