

ENV-002d — Provision Required Test Resources

[Go to ENV-002 — Configure Test Environment](#)

Statement

The [DIDO-TE](#) SHALL provision each [Test Resource](#) required by a [Test Environment](#) before [Test Execution](#).

Derived From

- [\[DTE5\] DIDO-TE Requirements Register](#), source requirement identifier and obligation to be assigned
- [\[DTE6\] Structured Information Processing Reference Architecture \(SIP-RA\)](#)
- [\[DTE7\] Federated Data Interpretation Systems Reference Architecture \(FDIS-RA\)](#)

Rationale

[Provisioning](#) each required [Test Resource](#) establishes the supporting capabilities, services, data, equipment, software, credentials, or facilities required by a [Test Environment](#).

Provisioning the required Test Resources before [Test Execution](#) prevents unavailable, incorrect, or uncontrolled resources from affecting execution or the resulting [Test Results](#).

Establishing correspondence between each specified Test Resource and its provisioned instance supports [Traceability](#), [Reproducibility](#), and assessment of resource-related differences between Test Executions.

Applies To

- [Test Environment](#)
- [Test Resource](#)
- [Provisioning](#)
- [Test Execution](#)
- [Configuration](#)
- [Baseline](#)
- [Deployment Target](#)

Verification

Verification confirms that:

- The DIDO-TE provisions every Test Resource required by the Test Environment.
- Each provisioned Test Resource corresponds to a Test Resource identified by the controlled Test Environment information.
- Each provisioned Test Resource has the specified version, Baseline, Configuration, capacity, and availability.
- Each provisioned Test Resource resides on or remains accessible from the applicable Deployment Target.
- Each provisioned Test Resource enters its required initial state before Test Execution.
- The DIDO-TE maintains Traceability between each specified Test Resource and its provisioned instance.
- A missing, incorrect, unavailable, or untraceable Test Resource constitutes nonconformance with this requirement.

Verification includes:

- Inspection of the Test Resources specified for the Test Environment
- Inspection of each provisioned Test Resource
- Comparison of each provisioned Test Resource with its controlled definition
- Inspection of the version, Baseline, Configuration, capacity, availability, and initial state of each provisioned Test Resource
- Inspection of Traceability records connecting each specified Test Resource to its provisioned instance
- A negative assessment using a missing, incorrect, unavailable, or untraceable Test Resource
- Confirmation that the negative assessment produces a nonconformance result

Referenced By

Plugin Backlinks: Nothing was found.

Related Architecture Sections

- Add links to the architecture sections governing Test

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