

ENV-003j — Validate Controlled Starting State

[Go to ENV-003 — Establish Controlled Starting State](#)

Statement

Before each [Test Execution](#), the [DIDO-TE](#) SHALL validate the controlled starting state against the controlled descriptive information governing the applicable [Test Environment](#).

Derived From

- [ENV-003 — Establish Controlled Starting State](#)
- [\[DTE5\] 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

Validation determines whether the established starting state corresponds to the required [Baseline](#), [Configuration](#), participating [Nodes](#), [Test Objects](#), [Test Resources](#), [Test Inputs](#), communication relationships, and applicable [Constraints](#).

Validation also confirms the absence or effective isolation of residual state excluded from the required starting state.

A validated starting state provides an inspectable basis for admitting a Test Execution and interpreting its resulting [Test Results](#).

Applies To

- [Test Environment](#)
- [Test Definition](#)
- [Test Execution](#)
- [Baseline](#)
- [Configuration](#)
- [Node](#)
- [Test Object](#)
- [Test Resource](#)
- [Test Input](#)
- [Constraint](#)

- [Evidence](#)

Verification

Verification confirms that:

- The DIDO-TE validates the controlled starting state before each Test Execution.
- Validation uses the applicable controlled descriptive information.
- Validation confirms application of the required Baseline.
- Validation confirms application of the required Configuration values.
- Validation confirms the required initial state of each participating Node and Test Object.
- Validation confirms the availability and required state of each Test Resource and Test Input.
- Validation confirms establishment of each required communication relationship.
- Validation confirms satisfaction of each applicable Constraint.
- Validation confirms removal or effective isolation of prohibited residual state.
- Validation produces an explicit valid or invalid result.
- The DIDO-TE identifies each difference between the required and actual starting states.
- The DIDO-TE records each validation result and identified difference as [Evidence](#).
- The DIDO-TE maintains [Traceability](#) among the validation result, identified differences, controlled descriptive information, Test Environment, and applicable Test Execution.
- An incomplete, incorrect, indeterminate, unsupported, or untraceable validation result constitutes nonconformance with this requirement.

Verification includes:

- Inspection of the controlled descriptive information used for validation
- Observation of controlled-starting-state validation
- Inspection of Baseline and Configuration validation results
- Inspection of Node, Test Object, Test Resource, and Test Input validation results
- Inspection of communication-relationship and Constraint validation results
- Inspection of residual-state validation results
- Inspection of the explicit valid or invalid result
- Inspection of identified differences between the required and actual starting states
- Inspection of validation Evidence and Traceability records
- A negative assessment using an incomplete or incorrect starting state
- Confirmation that the negative assessment produces an invalid result and identifies the applicable differences

Referenced By

Plugin Backlinks: Nothing was found.

Related Architecture Sections

- Add links to the architecture sections governing starting-state validation, validation criteria, difference detection, Evidence, Traceability, and Test Execution admission.

Delivery Phase

Assign the applicable delivery phase.

Requirement Status

Draft

Statement Reference

Use the following syntax to reference this requirement's Statement section from another DokuWiki page:

```
{{section>dido:03-dido-te:99-annexes:annex-c-requirements:02-test-environment-requirements:env-003-establish-controlled-starting-state:env-003j-validate-controlled-starting-state#Statement&noheader&nofooter&noeditbtn}}
```

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